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Summary of Notifiable Diseases — United States, 2000

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Preface

The MMWR Summary of Notifiable Diseases, United States, 2000 contains, in tabular and graphical form, the official statistics for the reported occurrence of nationally notifiable diseases in the United States for 2000. These statistics are collected and compiled from reports to the National Notifiable Diseases Surveillance System (NNDSS), which is operated by CDC in collaboration with the Council of State and Territorial Epidemiologists (CSTE).

The Summary is located on the Internet at http://www2.cdc.gov/mmwr/

summary.html>. This site also includes publications from past years.

Because dates of onset or diagnosis for notifiable diseases are not always reported, surveillance data are presented by the week they were reported to CDC by public health officials in state and territorial health departments. Data are finalized and published each year in the *Summary* for use by state and local health departments; schools of medicine and public health; communications media; local, state, and federal agencies; and other agencies or persons interested in following the trends of reportable diseases in the United States. This publication also documents which diseases are considered national priorities for notification and the annual number of cases of such diseases.

The Highlights section presents information on selected nationally notifiable diseases to provide a context in which to interpret surveillance and disease-trend data and to provide further information on the epidemiology and prevention of selected diseases. Past publications included information on selected non-notifiable diseases, but in 1999, the *Summary* began presenting only highlights of nationally notifiable diseases.

Part 1 contains tables of incidence data for each disease considered nationally notifiable during 2000.* These tables provide the number of cases of notifiable diseases reported to CDC for 2000, as well as the distribution of cases by month and geographic location and by patient's age, sex, race, and Hispanic ethnicity. Data are final totals as of August 24, 2001, unless otherwise noted. In all tables, leprosy is listed as Hansen disease, and tickborne typhus fever is listed as Rocky Mountain spotted fever (RMSF). In addition, syphilis (all stages) includes the following categories: latent; latent; latent of unknown duration; neurosyphilis; late, with clinical manifestations other than neurosyphilis; syphilitic stillbirth; and congenital syphilis. Part 2 contains graphs and maps that depict summary data for many of the notifiable diseases described in tabular form in Part 1. Part 3 contains tables of the number of cases of notifiable diseases reported to CDC since 1969. This section also includes a table enumerating deaths associated with specified notifiable diseases reported to the National Center for Health Statistics (NCHS), CDC, during 1989–1998.

The Selected Reading section presents general and disease-specific references for notifiable infectious diseases. These references provide additional information on surveillance and epidemiologic issues, diagnostic issues, and disease-control activities.

^{*}Because no cases of paralytic poliomyelitis, western equine encephalitis, or yellow fever were reported in the United States during 2000, these diseases do not appear in the tables in Part 1.

Background

As of January 1, 2000, a total of 60 infectious diseases were designated as notifiable at the national level. A notifiable disease is one for which regular, frequent, and timely information regarding individual cases is considered necessary for the prevention and control of the disease. This section briefly summarizes the history of the reporting of nationally notifiable diseases in the United States.

In 1878, Congress authorized the U.S. Marine Hospital Service (the forerunner of the Public Health Service (PHS)) to collect morbidity reports regarding cholera, smallpox, plague, and yellow fever from U.S. consuls overseas. The intention was to use this information to institute quarantine measures to prevent the introduction and spread of these diseases into the United States. In 1879, a specific Congressional appropriation was made for the collection and publication of reports of these notifiable diseases. Congress expanded the authority for weekly reporting and publication of these reports in 1893 to include data from states and municipal authorities. To increase the uniformity of the data, Congress enacted a law in 1902 directing the Surgeon General to provide forms for the collection and compilation of data and for the publication of reports at the national level. In 1912, state and territorial health authorities - in conjunction with PHS — recommended immediate telegraphic reporting of five infectious diseases and the monthly reporting, by letter, of 10 additional diseases. The first annual summary of The Notifiable Diseases in 1912 included reports of 10 diseases from 19 states, the District of Columbia, and Hawaii. By 1928, all states, the District of Columbia, Hawaii, and Puerto Rico were participating in national reporting of 29 specified diseases. At their annual meeting in 1950, state and territorial health officers authorized the Council of State and Territorial Epidemiologists (CSTE) to determine which diseases should be reported to PHS. In 1961, CDC assumed responsibility for the collection and publication of data concerning nationally notifiable diseases.

The list of nationally notifiable diseases is revised periodically. For example, a disease might be added to the list as a new pathogen emerges, or a disease might be deleted as its incidence declines. Public health officials at state health departments and CDC continue to collaborate in determining which diseases should be nationally notifiable. CSTE, with input from CDC, makes recommendations annually for additions and deletions. Although disease reporting is mandated by legislation or regulation at the state and local levels, state reporting to CDC is voluntary. Thus, the list of diseases considered notifiable varies slightly by state. All states generally report the internationally quarantinable diseases (i.e., cholera, plague, and yellow fever) in compliance with the World Health Organization's International Health Regulations.

Infectious Diseases Designated as Notifiable at the National Level During 2000

Acquired immunodeficiency syndrome (AIDS)	Hansen disease (leprosy) Hantavirus pulmonary	Rocky Mountain spotted fever
Anthrax	syndrome	Rubella
Botulism Brucellosis	Hemolytic uremic syndrome, postdiarrheal	Rubella, congenital syndrome
Chancroid	Hepatitis A	Salmonellosis
	Hepatitis B	Shigellosis
Chlamydia trachomatis, genital infection Cholera	Hepatitis C; non-A, non-B Human immunodeficiency	Streptococcal disease, invasive, group A
Coccidioidomycosis	virus (HIV) infection, adult	Streptococcus pneumoniae,
Cryptosporidiosis	HIV infection, pediatric	drug-resistant, invasive
Cyclosporiasis	Legionellosis	disease
Diphtheria	Listeriosis	Streptococcal toxic-shock
Ehrlichiosis,	Lyme disease	syndrome
human granulocytic	Malaria	Syphilis
Ehrlichiosis,	Measles	Syphilis, congenital
human monocytic	Meningococcal disease	Tetanus
Encephalitis,	Mumps	Toxic-shock syndrome
California serogroup viral	Pertussis	Trichinosis
Encephalitis, eastern equine	Plague	Tuberculosis
Encephalitis, St. Louis	Poliomyelitis, paralytic	Tularemia
Encephalitis, western equine	Psittacosis	Typhoid fever
Escherichia coli O157:H7	Q Fever	Varicella (chickenpox)*
Gonorrhea	Rabies, animal	Varicella deaths
Haemophilus influenzae,	Rabies, human	Yellow fever

invasive disease

*Although varicella (chickenpox) is not a nationally notifiable disease, the Council of State and
Territorial Epidemiologists recommends reporting cases of this disease to CDC.

Data Sources

Provisional data concerning reported occurrence of notifiable diseases are published weekly in *MMWR*. After each reporting year, staff members in state health departments finalize reports of cases for that year with local or county health departments and reconcile the data with reports previously sent to CDC throughout the year. These data are compiled in final form in the *Summary*.

Notifiable disease reports are the authoritative and archival counts of cases. They must be approved by the appropriate epidemiologist from each submitting state or territory before being published in the *Summary*. Although useful for detailed epidemiologic analyses, data published in *CDC Surveillance Summaries* or other surveillance reports produced by CDC programs might not agree with data reported in the *Summary* because of differences in the timing of reports, source of data, and case definitions.

Data in the *Summary* were derived primarily from reports transmitted to the Division of Public Health Surveillance and Informatics, Epidemiology Program Office, CDC, from health departments in the 50 states, five territories, New York City, and the District of Columbia through the National Electronic Telecommunications System for Surveillance (NETSS). More information regarding NETSS and notifiable diseases, including case definitions for these conditions, is available on the Internet at http://www.cdc.gov/epo/phs.htm. Policies for reporting notifiable disease cases can vary by disease or reporting jurisdiction, depending on case status classification (i.e., confirmed, probable, or suspect).

Final data for selected diseases (presented in Parts 1, 2, and 3 of the *Summary*) are from the surveillance records of CDC programs listed below. Requests for further information regarding these data should be directed to the appropriate program.

National Center for Health Statistics (NCHS)

Office of Vital and Health Statistics Systems (deaths from selected notifiable diseases).

National Center for Infectious Diseases (NCID)

Division of Bacterial and Mycotic Diseases (toxic-shock syndrome and laboratory data for botulism, *Escherichia coli* O157:H7, salmonellosis, and shigellosis).

Division of Viral and Rickettsial Diseases (animal rabies and hantavirus pulmonary syndrome).

National Center for HIV, STD, and TB Prevention (NCHSTP)

Division of HIV/AIDS Prevention — Surveillance and Epidemiology (acquired immunodeficiency syndrome (AIDS)).

Division of Sexually Transmitted Diseases Prevention (chancroid, chlamydia, gonorrhea, and syphilis).

Division of Tuberculosis Elimination (tuberculosis).

National Immunization Program (NIP)

Epidemiology and Surveillance Division (poliomyelitis).

Disease totals for the United States, unless otherwise stated, do not include data for American Samoa, Guam, Puerto Rico, the U.S. Virgin Islands, or the Commonwealth of the Northern Mariana Islands (CNMI).

Population estimates for the states are from the Bureau of the Census (1991–1999, machine readable files). Population numbers for territories are 1998 estimates from the Bureau of the Census press releases PR-99-1* and CB98-219.¹ More information regarding census estimates is available at http://www.census.gov/.

Rates in the *Summary* are presented as incidence rates per 100,000 population based on data for the U.S. total-resident population. Population data from states in which diseases were not notifiable or disease data were not available were excluded from rate calculations. The denominator used for infant botulism rate calculation is restricted to persons aged <1 year.

Interpreting Data

Data reported in the *Summary* are useful for analyzing disease trends and determining relative disease burdens. However, data must be interpreted in light of reporting practices. Certain diseases that cause severe clinical illness (e.g., plague and rabies) are most likely reported accurately if they are diagnosed by a clinician. However, persons who have diseases that are clinically mild and infrequently associated with serious consequences (e.g., salmonellosis) might not seek medical care from a health-care provider. Even if these less severe diseases are diagnosed, they are less likely to be reported.

The degree of completeness of data reporting also is influenced by the diagnostic facilities available; control measures in effect; public awareness of a specific disease; and interests, resources, and priorities of state and local officials responsible for disease control and public health surveillance. Finally, factors such as changes in case definitions for public health surveillance, introduction of new diagnostic tests, or discovery of new disease entities can cause changes in disease reporting that are independent of the true incidence of disease.

Public health surveillance data are published for selected racial and ethnic population groups because these variables can be risk markers for certain notifiable diseases. Risk markers can identify potential risk factors for investigation in future studies. Race and ethnicity data also can be used to target populations for prevention efforts. However, caution must be used when drawing conclusions from reported race and ethnicity data. Certain racial/ethnic population groups have differential patterns of access to health care, potentially resulting in data that are not representative of disease incidence in these populations.

In addition, not all race and ethnicity data are collected uniformly for all diseases. For example, in NCHSTP, the Division of HIV/AIDS Prevention — Surveillance and Epidemiology and the Division of Sexually Transmitted Diseases Prevention collect race/ethnicity data using a single variable. A person's race/ethnicity is reported as American Indian/Alaska Native, Asian/Pacific Islander, black non-Hispanic, white non-Hispanic, or Hispanic. Additionally, although the recommended standard for classifying a person's race or ethnicity is based on self-reporting, this procedure might not always be followed.

^{*}Available at http://www.census.gov/population/estimates/puerto-rico/prmunnet.txt.

Available at http://www.census.gov/Press-Release/www/1999/cb99-254.html,

Highlights for 2000

This section presents information on the public health importance of selected nationally notifiable diseases reported from the states to CDC, including a) domestic and some international disease outbreaks, b) active surveillance findings, c) changes in data reporting practices, d) the impact of prevention programs, e) the emergence of antimicrobial resistance, and f) changes in immunization policies. This information is intended to provide a context in which to interpret surveillance and disease-trend data and to provide further information on the epidemiology and prevention of selected diseases.

AIDS*

As of December 31, 2000, a total of 774,467 acquired immunodeficiency syndrome (AIDS) cases were reported; 448,060 cases resulted in death, and 3,542 cases had unknown vital status. Of the total, approximately one third of cases were reported during 1993–1995 and 1996–2000; the remaining third were reported before 1993. The number of persons presumed living with AIDS (322,865) at the end of 2000 was the highest ever reported; of these persons, 79% were men, 61% were black or Hispanic, and 41% were infected through male-to-male sex. Since 1981, approximately 85% of persons diagnosed with AIDS have been aged 20–49 years (1).

From January 1998 through June 2000, AIDS incidence and deaths leveled off, but AIDS prevalence continued to increase. The number of reported cases is affected by epidemic trends and other factors that can affect case reporting (e.g., changes in the AIDS surveillance case definition and widespread introduction of effective treatments).

To provide better data for prevention of human immunodeficiency virus (HIV) infection (the virus that causes AIDS), CDC and CSTE recommend that national surveillance include the monitoring of both HIV infection and AIDS (2,3). CDC supports several supplemental surveillance projects that collect data on barriers to preventing AIDS cases and death of persons with AIDS, including access to HIV testing and treatment in accordance with current public health service guidelines.

- 1. CDC. HIV and AIDS-United States, 1981-2000, MMWR 2001;50:430-4.
- CDC. Guidelines for national human immunodeficiency virus case surveillance, including monitoring for human immunodeficiency virus infection and acquired immunodeficiency syndrome. MMWR 1999;48(No. RR-13):1–11.
- Council of State and Territorial Epidemiologists. CSTE position statement ID-4: National HIV surveillance—addition to the National Public Health Surveillance System. Atlanta, GA: Council of State and Territorial Epidemiologists, 1997.

Chancroid

During 2000, a total of 78 cases of chancroid were reported (rate: 0.03 cases/100,000 population), representing a 45% decline from 1999 and a continuing decline since 1987 (1). However, chancroid is difficult to culture and could be substantially underdiagnosed. Several studies that used DNA amplification tests (which are not commercially available) have identified this infection in cities where it was previously undetected (2).

- CDC. Sexually transmitted disease surveillance 2000. Atlanta, GA: US Department of Health and Human Services, Public Health Service, CDC, 2001.
- Mertz KJ, Trees D, Levine WC, et al. Etiology of genital ulcers and prevalence of human immunodeficiency virus coinfection in 10 US cities. The Genital Ulcer Disease Surveillance Group. J Infect Dis 1998;178:1795–8.

^{*}For information on HIV infection, see page xiv.

Chlamydia trachomatis, Genital Infection

During 2000, a total of 702,093 cases of genital chlamydial infection were reported (rate: 257.5/100,000). This rate was the highest since voluntary case reporting began in the mid-1980s and the highest since genital chlamydial infection became a nationally notifiable disease in 1995 (1). This increase could be caused in part by the continued expansion of chlamydia screening programs and increased use of more sensitive diagnostic tests for this condition. Since the late 1980s, data on chlamydia prevalence obtained by monitoring test positivity rates of persons screened in different clinic settings have generally documented declining levels of infection in many parts of the United States (1).

1. CDC. Sexually transmitted disease surveillance 2000. Atlanta, GA: US Department of Health

and Human Services, Public Health Service, CDC, 2001.

Cholera

During 1995–2000, a total of 61 laboratory-confirmed cases of cholera, all caused by Vibrio cholerae O1, were reported. Thirty-five (57%) patients were hospitalized, and one died. Thirty-seven (61%) infections were acquired outside the United States, whereas six (10%) were acquired through consumption of contaminated seafood harvested in Gulf Coast waters. Among the 37 travel-associated cholera cases, 31% of isolates were resistant to trimethoprim-sulfamethoxazole, sulfisoxazole, streptomycin, and furazolidone. Thus, foreign travel and contaminated seafood continue to account for most cholera cases in the United States, and antimicrobial resistance is increasing among V. cholerae O1 strains isolated from ill travelers (1). Production and sale of the only licensed cholera vaccine in the United States ceased in 2001.

 Steinberg EB, Greene KD, Bopp CA, Cameron DN, Wells JG, Mintz ED. Cholera in the United States, 1995–2000: trends at the end of the millennium. J Infect Dis 2001;184:799–802.

Diphtheria

During 2000, one confirmed case of diphtheria was reported from California in a female patient aged 86 years who had acute membranous pharyngitis. A culture taken from the patient was positive for *Corynebacterium diphtheriae*, but toxigenicity testing was not conducted. Non-toxigenic *C. diphtheriae* can cause localized membranous pharyngitis.

Ehrlichiosis

During 2000, the second full year of national reporting of the emerging tick-borne zoonosis ehrlichiosis, 200 cases of human monocytic ehrlichiosis (HME) and 351 cases of human granulocytic ehrlichiosis (HGE) were reported through NETSS. By comparison, 99 cases of HME and 203 cases of HGE were reported during 1999 (1) Through December 2000, ehrlichiosis was a notifiable disease in 36 states, compared with 19 states through August 1998 (2).

In 2000, CSTE changed the case definition for human ehrlichiosis. A third reporting category (i.e., ehrlichiosis, other or unspecified agent) was added to clarify reporting criteria and provide a mechanism for classifying and reporting cases caused by unspecified or novel *Ehrlichia* species, including *E. ewingii* (3).

In addition to reporting via NETSS, case information on the three categories of ehrlichiosis also should be reported on the revised Tick-Borne Rickettsial Disease Case Report form (CDC 55.1 Rev. 01/2001), which was distributed to state health departments in April 2001 and replaces all previous Rocky Mountain Spotted Fever Case

Report forms. Copies of this form are available at http://www.cdc.gov/ncidod/dvrd/rmsf.

- 1. CDC. Summary of notifiable diseases, United States, 1999, MMWR 2001;48(No. 53):5.
- McQuiston JH, Paddock CD, Holman RC, Childs JE. The human ehrlichioses in the United States. Emerg Infect Dis 1999;5:635–42.
- Council of State and Territorial Epidemiologists. CSTE position statement ID-3: Changes in the
 case definition for human ehrlichiosis, and addition of a new ehrlichiosis category as a condition
 placed under surveillance according to the National Public Health Surveillance System (NPHSS).
 Atlanta, GA: Council of State and Territorial Epidemiologists, 2000. Available at http://www.cste.org/ps/2000/2000-id-03.htm.

Encephalitis

During 1999, a summer epidemic of acute meningoencephalitis of unknown etiology in the greater New York City area, with 62 human cases and seven fatalities, signaled the first known introduction of West Nile virus from the Eastern Hemisphere to the Western Hemisphere (1). Urban Culex species were the apparent primary mosquito vectors to humans. Birds were the primary amplifying hosts, and unprecedented morbidity and mortality were observed among some native bird species, especially crows. Previously, the known geographic distribution of West Nile virus included Africa, West Asia, and Europe (2). West Nile virus is related closely to St. Louis encephalitis virus, historically the major cause of epidemic viral encephalitis in the United States.

During early 2000, West Nile virus was detected in dormant mosquitoes collected in the northeastern United States, indicating its successful overwintering and potential reemergence across a larger area of the eastern United States during the following spring and summer (3). During the summer and fall of 2000, a total of 21 cases of West Nile viral disease among humans were reported from the greater New York City area (14 in New York, six in New Jersey, and one in Connecticut); two of these cases were fatal (4).

- Nash D, Mostashari F, Fine A, et al. The outbreak of West Nile virus infection in the New York City area. N Eng J Med 2001;344:1807–14.
- Hayes CG. West Nile fever. In: Monath TP, ed. The arboviruses: epidemiology and ecology. Vol. V. Boca Raton, FL: CRC Press. 1989:59

 –88.
- 3. CDC. Update: West Nile virus isolated from mosquitoes—New York, 2000. MMWR 2000;49:211.
- CDC. Human West Nile virus surveillance—Connecticut, New Jersey, and New York, 2000. MMWR 2001;50:265–8.

Gonorrhea

During 2000, a total of 358,995 cases of gonorrhea were reported (rate: 131.6/100,000). The 2000 rate was similar to rates for 1999 (132.0/100,000) and 1998 (121.4/100,000) (1). Although rates have stabilized, increases have been observed in some areas among men who have sex with men (2). Additionally, decreased susceptibility to the fluoroguinolone antibiotics and azithromycin has been reported from some regions (3).

- CDC. Sexually transmitted disease surveillance 2000. Atlanta, GA: US Department of Health and Human Services, Public Health Service, CDC, 2001.
- Fox KK, del Rio C, Holmes KK, et al. Gonorrhea in the HIV era: a reversal in trends among men who have sex with men. Am J Public Health 2001;91:1–5.
- CDC. Fluoroquinolone-resistance in Neisseria gonorrhoeae, Hawaii, 1999, and decreased susceptibility to azithromycin in N. gonorrhoeae, Missouri, 1999. MMWR 2000;49:833–7.

Haemophilus influenzae, Invasive Disease

During 2000, a total of 293 cases of *Haemophilus influenzae* (Hi) invasive disease among children aged <5 years were reported.* Before a vaccine was introduced in 1987, approximately 20,000 cases of *H. influenzae* type b (Hib) invasive disease occurred among children annually (1). Because of widespread use of the Hib vaccine among preschool-aged children, the number of Hib cases has declined sharply. Of the 293 cases reported during 2000, a total of 227 (78%) Hi isolates were serotyped, and 55 (24%) of these were type b. Among the 55 cases of Hib invasive disease reported among children aged <5 years, 23 (42%) were among those aged <6 months, who had not completed a two- or three-dose primary Hib vaccination. However, 23 (72%) of the 32 children who were old enough (i.e., aged ≥6 months) to have completed a three-dose primary series either had unknown vaccination status (six children) or were incompletely or not vaccinated (17 children). Data as of August 2001 are provided to the National Immunization Program Office.

 Cochi SL, Broome CV, Hightower AW. Immunization of U.S. children with Haemophilus influenzae type b polysaccharide vaccine: a cost-effectiveness model of strategy assessment. JAMA 1985:253:521–9.

Hantavirus Pulmonary Syndrome

During 2000, a total of 41 probable cases of hantavirus pulmonary syndrome (HPS) were reported from 10 states. Of the 34 cases laboratory confirmed by CDC, seven (21%) were fatal. Since 1993, a total of 256 cases from 30 states have been confirmed. An additional 32 cases were identified retrospectively back to 1959. Cases of HPS have now been recognized in countries throughout the Western Hemisphere. Reports of confirmed cases in patients with mild disease that does not meet the clinical criteria for HPS are increasing (1). Treatment is available only for the symptoms of HPS, as a 1993–1994 open-label trial of the antiviral drug ribavirin did not suggest a benefit (2). Although most HPS in the United States is caused by Sin Nombre virus and its variants (i.e., New York and Monongahela), some cases have been associated with other hantaviruses, including Bayou and Black Creek Canal. Virus is shed in rodent urine, feces, and saliva and is primarily transmitted through inhalation. Since the initial recognition of HPS in 1993, researchers continue to investigate the probable relationship between environmental conditions and reports of HPS cases (3,4).

 Kitsutani PI, Denton RW, Fritz CL, et al. Acute Sin Nombre hantavirus infection without pulmonary syndrome, United States. Emerg Infect Dis 1999;5:701–5. Available at http://www.cdc.gov/ncidod/eid/vol5no5/kitsutani.htm.

 Chapman LE, Mertz GJ, Peters CJ, et al. Intravenous ribavirin for hantavirus pulmonary syndrome: safety and tolerance during 1 year of open-label experience. Antivir Ther 1999;4:211–9.
 Abstract available at http://www.intmedpress.com/journals_avt_abst404_3.cfm.

 Glass GE, Cheek JE, Patz JA, et al. Using remotely sensed data to identify areas at risk for hantavirus pulmonary syndrome. Emerg Infect Dis 2000;6:238–47. Available at http://www.cdc.gov/ncidod/eid/vol6no3/glass.htm.

4. Hjelle B, Glass G. Outbreak of hantavirus infection in the four corners region of the United States in the wake of the 1997–1998 El Niño-Southern Oscillation. J Infect Dis 2000;181:1569–73. Abstract available at http://www.journals.uchicago.edu/JID/journal/issues/v181n5/991334/brief/991334.abstract.html.

^{*}National Immunization Program data based on date of onset, not MMWR reporting week.

Hemolytic Uremic Syndrome, Postdiarrheal

During 2000, the fifth year of national reporting, 24 states reported 249 cases of postdiarrheal hemolytic uremic syndrome (HUS). The median age of patients was 4 years (range: <1–91), and 56% were female. Illness was seasonal, with 45% of cases occurring from June through September. By comparison, 26 states reported 181 cases in 1999, and 17 states reported 119 cases in 1998. Though the number of areas reporting and the number of cases reported increased in 2000, the increased number of cases is likely a result of improved ascertainment rather than a change in incidence. Eight states and at least one territory did not list HUS as a notifiable disease in 2000, contributing to substantial underreporting.

Postdiarrheal HUS is a life-threatening illness characterized by hemolytic anemia, thrombocytopenia, and renal injury. In the United States, most cases are caused by infection with *Escherichia coli* O157:H7; some are caused by other Shiga toxin-producing *E. coli* (1.2.)

- Banatvala N, Griffin PM, Greene KD, et al. The United States prospective hemolytic uremic syndrome study: microbiologic, serologic, clinical, and epidemiologic findings. J Infect Dis 2001:183:1063-70.
- CDC. Escherichia coli O111:H8 outbreak among teenage campers—Texas, 1999. MMWR 2000:49:321–4.

Hepatitis A

During 2000, the overall hepatitis A rate (4.9/100,000) reported was the lowest ever recorded. However, because hepatitis A rates tend to vary from year to year and from region to region, determining whether this low rate was caused by routine immunization or natural variability in infection rates is not possible. Monitoring hepatitis A incidence to determine if these low rates are sustained over time is critical to assessing the impact of routine vaccination.

Routine childhood hepatitis A vaccination is recommended in the 11 states where the average annual hepatitis A rate during 1987–1997 was ≥20 cases/100,000 (i.e., approximately twice the national average) (1). Routine childhood vaccination should be considered in the six states where the average rate during 1987–1997 was approximately 10–20/100,000.

 CDC. Prevention of hepatitis A through active or passive immunization: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 1999;48(No. RR-12).

Hepatitis B

During 2000, a total of 8,036 acute hepatitis B cases were reported, representing a >60% decrease since 1990 (21,102 cases). Surveillance data are being used to monitor the impact of the national strategy for eliminating hepatitis B virus (HBV) infection. Healthy People 2010 objectives call for a 75%–90% reduction in the national incidence of hepatitis B among adults (baseline: 15–24 cases/100,000), a 99% reduction among children aged 2–18 years (baseline: 945 cases/year), and a 75% reduction in the number of perinatal HBV infections (baseline: 1,682 infections/year) (1).

Reported hepatitis B cases can be used to monitor the occurrence of disease among adults. However, because most infections among infants and young children are asymptomatic, reported cases underestimate the incidence of disease in these age groups. Thus, data from other sources (e.g., serosurveys) are needed to monitor progress toward eliminating HBV transmission among younger age groups.

 US Department of Health and Human Services. Healthy People 2010, vols I and II. 2nd ed. Washington, DC: US Government Printing Office, November 2000.

Hepatitis C; Non-A, Non-B

Cases of hepatitis C reported to CDC are considered unreliable because a) no serologic marker for acute infection exists and b) most health departments do not have the
resources to determine if a positive laboratory report for hepatitis C virus (HCV) infection represents acute infection, chronic infection, repeated testing of a person previously reported, or a false-positive result (1). Historically, the most reliable national
estimates of acute disease incidence have come from sentinel surveillance. After
adjusting for underreporting and asymptomatic infections, the annual number of new
infections has decreased >80% since 1989 to 35,000 cases in 1999 (CDC, unpublished
data, 2000). Because surveillance for acute hepatitis C can be used to evaluate the
effectiveness of prevention efforts and identify missed opportunities for prevention,
efforts are underway to help states establish and improve surveillance.

1. CDC. Recommendations for prevention and control of hepatitis C virus (HCV) infection and

HCV-related chronic disease. MMWR 1998;47(No. RR-19).

HIV Infection, Adult*

During 2000, a total of 21,704 cases of HIV infection (in the absence of AIDS diagnosis) in persons aged ≥13 years were reported. The number of reported cases of HIV infection is affected by epidemic trends as well as other factors (e.g., testing rates among populations at risk or when states initiated HIV case reporting). Before 1991, surveillance for HIV infection was not standardized, and reporting was primarily passive. CDC has since helped states conduct active surveillance for HIV infection using standardized report forms and software.

In December 1999, CDC published a revised HIV case definition (effective January 2000) for adults and children aged ≥18 months that includes laboratory criteria requiring positive HIV antibody test results or reports of a detectable quantity of HIV nucleic acid or plasma HIV RNA (1). As states have begun implementing laboratory-initiated reporting of viral load tests, they have identified additional HIV and AIDS cases.

HIV infection data should be interpreted with caution because not all infected persons have been tested and not all anonymous tests have been reported (2). Many factors influence testing patterns, including the extent that testing is targeted or routinely offered to specific groups and the availability of and access to medical care and testing services.

To provide better data for HIV prevention, CDC and CSTE recommend that national surveillance include both HIV infection and AIDS (1,3). An integrated national HIV/AIDS surveillance system would provide information regarding persons in whom HIV infection has been newly diagnosed, those with severe HIV disease (i.e., AIDS), and those dying of HIV disease.

 CDC. Guidelines for national human immunodeficiency virus case surveillance, including monitoring for human immunodeficiency virus infection and acquired immunodeficiency syndrome. MMWR 1999;48(No. RR-13):1-11.

CDC. Diagnosis and reporting of HIV and AIDS in states with integrated HIV and AIDS surveillance—United States, January 1994–June 1997. MMWR 1998;47:309–14.

 Council of State and Territorial Epidemiologists. CSTE position statement ID-4: National HIV surveillance—addition to the National Public Health Surveillance System. Atlanta, GA: Council of State and Territorial Epidemiologists, 1997.

^{*} For information on AIDS, see page ix.

HIV Infection, Pediatric

As of December 31, 2000, all states and U.S. territories reported AIDS in children aged ≤13 years, and 34 states and two territories also conducted surveillance for HIV infection among children. During 2000, a total of 224 children whose HIV infection had not progressed to AIDS and 196 children who had AIDS were reported. Data for 2000 indicated continued declines in perinatally acquired AIDS, reflecting declines in perinatal HIV transmission (1). The increasing use of zidovudine (ZDV) by mothers and newborns was temporally associated with this decline, demonstrating success in nationwide efforts to implement guidelines for routine, voluntary prenatal HIV testing (2) and the use of ZDV to reduce perinatal HIV transmission (3).

Beginning January 1, 2000, the surveillance case definition for HIV infection was revised to reflect advances in laboratory HIV virologic tests and to incorporate the reporting criteria for HIV infection and AIDS into one case definition for adults and children (4). For children aged ≥18 months, the definition includes laboratory criteria requiring positive HIV antibody test results or reports of a detectable quantity of HIV nucleic acid or plasma HIV RNA (4). For children aged <18 months, the reporting criteria permit diagnosis of HIV infection during the first month of life. Children aged <18 months born to an HIV-infected mother are categorized as having perinatal exposure to HIV infection if they do not meet the criteria for either "HIV infection" or "not infected with HIV" (4,5).

- 1. CDC. US HIV and AIDS cases reported through June 2000. HIV/AIDS surveillance report 2000;12(No. 1):1-42. Available at http://www.cdc.gov/hiv/stats/hasr1201.htm.
- CDC. US Public Health Service recommendations for human immunodeficiency virus counseling and voluntary testing for pregnant women. MMWR 1995;44(No. RR-7):1–15.
- CDC. Public Health Service Task Force recommendations for the use of antiretroviral drugs in pregnant women infected with HIV-1 for maternal health and for reducing perinatal HIV-1 transmission in the United States. MMWR 1998;47(No. RR-2).
- CDC. Guidelines for national human immunodeficiency virus case surveillance, including monitoring for human immunodeficiency virus infection and acquired immunodeficiency syndrome. MMWR 1999;48(No. RR-13):1–11.
- CDC. Guidelines for the use of antiretroviral agents in pediatric HIV infection. MMWR 1998;47(No. RR-4):1–31.

Lyme Disease

During 2000, approximately 17,730 cases of Lyme disease were reported, most from the northeastern and north-central United States. CDC promotes community-based Lyme disease prevention using strategies aimed at reducing vector tick densities, preventing human exposure to infected vector ticks, and vaccinating persons aged 15–70 years when appropriate (1). CDC has funded new community-based prevention projects in Connecticut, Massachusetts, New Jersey, and New York.

 CDC. Recommendations for the use of Lyme disease vaccine: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 1999:48(No. RR-7):1–25.

Malaria

During 2000, a total of 1,560 malaria cases were reported in the United States. Most cases were imported, with approximately half occurring among U.S. residents traveling to malarious areas and half occurring among foreign residents immigrating to or visiting the United States (1). Although the number of reported cases was similar to 1999 (1,666) (2), the annual number of cases has increased during the past 15 years. This increase was likely caused by increases in both international travel (3) and

immigration (4), as well as the spread and intensification of antimalarial drug resistance globally (5).

- MacArthur JR, Levin AR, Roberts J, et al. Malaria surveillance—United States, 1997. In: CDC Surveillance Summaries, March 30, 2001. MMWR 2001;50(No. SS-1):25–44.
- 2. CDC. Summary of notifiable diseases, United States, 1999. MMWR 1999;48:1-104.
- International Trade Administration, Tourism Industries. US resident travel to overseas countries
 historical visitation outbound, 1988–1998 (one or more nights). Washington, DC: US Department
 of Commerce, International Trade Administration, Tourism Industries. Available at http://www.tinet.ita.doc.gov/view/f-1998-11-001/index.html.
- US Census Bureau. Current population reports. Series P23-205. Population profile of the United States: 1999. Washington, DC: US Government Printing Office, 2001. Available at http://www.census.gov/prod/2001pubs/p23-205.pdf.
- Barat LM, Bloland PB. Drug resistance among malaria and other parasites. Infect Dis Clin North Am 1997:11:969–87.

Measles

During 2000, a total of 86 confirmed measles cases were reported. Thirty states and the District of Columbia did not report any confirmed cases. Thirty-seven case-patients were aged <5 years, 17 were aged 5–19 years, and 32 were aged ≥20 years. Ten outbreaks (range: 3–9 cases) were reported. Of the 86 cases reported, 26 were imported from outside the United States, and 19 cases were epidemiologically linked to imported cases. Nine additional cases had virologic evidence of importation (i.e., genotypic analysis of measles viruses indicated no evidence of an endemic strain). The remaining 32 cases were classified as unknown source cases because no link to importation was detected.

Meningococcal Disease

Rates of meningococcal disease have been relatively stable in the United States. A total of 2,256 cases were reported in 2000, of which 1,808 were confirmed, 111 probable, seven suspect, and 330 of unknown case status. Serogroup information was reported for 32% of cases, and serogroup Y accounted for 31% of those reported. Most other cases were caused by serogroup C (30%) or serogroup B (28%). Although rates of meningococcal disease are usually highest among children aged <1 year, 55% of cases in 2000 occurred among persons aged ≥18 years.

Using the technology applied to the development of *Haemophilus influenzae* type b (Hib) conjugate vaccines, several companies are in the final stages of developing and testing meningococcal conjugate vaccines with various serogroup-specific formulas and in combination with other antigens for licensure in the United States (1). Three serogroup C meningococcal conjugate vaccines were licensed and integrated into routine childhood immunization in the United Kingdom last year; early results confirm ≥90% efficacy in toddlers and teenagers (2).

- Rosenstein NE, Perkins BA, Stephens DA, Popovic T, Hughes JM. Meningococcal disease. N Engl J Med 2000;344:1378–88.
- Ramsey ME, Andrews N, Kaczmarski EB, Miller E. Efficacy of meningococcal serogroup C conjugate vaccine in teenagers and toddlers in England. Lancet 2000;357:195–6.

Mumps

Because of the recommendation of two doses of MMR and its high coverage rate in the United States, mumps is at record low levels. During the 1990s, mumps cases declined substantially, from 5,292 reported cases in 1990 to 338 reported cases in 2000, meeting the *Healthy People 2000* objective of <500 cases per year (1).

 CDC. Mumps surveillance United States, 1988–1993. In: CDC surveillance summaries, August 11, 1995. MMWR 1995;44(No. SS-3).

Pertussis

During 2000, a total of 7,867 cases of pertussis were reported. Of these cases, 24% occurred among children too young to have received the recommended three doses of a pertussis-containing vaccine (i.e., those aged <7 months); 2% among children aged 7–11 months; 10% among preschool-aged children (aged 1–4 years); 8% among children aged 5–9 years; 36% among persons aged 10–19 years; and 20% among persons aged >20 years.

Since 1995, the coverage rate with ≥3 doses of a pertussis-containing vaccine has been 95% among U.S. children aged 19–35 months (1). Since 1990, the incidence of pertussis among preschool-aged children has not changed, but the incidence among adolescents has increased in some states (2). Because vaccine-induced immunity wanes approximately 5–10 years after pertussis vaccination, adolescents can become susceptible to disease. Pertussis deaths reported through NNDSS also increased in the 1990s, predominantly among infants too young to receive three doses (CDC, unpublished data, 2000).

Since 1980, the number of reported pertussis cases has increased in the United States (2). The reasons are unknown but could include increased awareness of pertussis among health-care providers, increased use of more sensitive diagnostic tests, better reporting of cases to health departments, and an increase in circulating pertussis.

- CDC. National, state, and urban area vaccination coverage levels among children aged 19–35 months—United States, 1999. MMWR 2000;49:585–9.
- Guris D, Strebel PM, Bardenheier B, et al. Changing epidemiology of pertussis in the United States: increasing reported incidence among adolescents and adults, 1990–1996. Clin Infect Dis 1999;28:1230–7.

Plaque

During 2000, six cases of human plague were reported from six states (Arizona, California, Colorado, New Mexico, Utah, and Wyoming), representing <50% of the average number reported during the past 20 years (i.e., 13.1 cases/year during 1980-1999). None of the six cases were fatal, and all were acquired from naturally occurring sources. The low number of reported cases is possibly linked to hot summer and dry winter conditions during the past 2 years in the southwestern states of Arizona. New Mexico, Colorado, and Utah (1,2). CDC works cooperatively with state and local health departments and other federal agencies to improve human and animal-based plague surveillance programs, including the ability to detect human cases acquired from natural sources or as a result of bioterrorism. In 2000, these efforts included CDC participation in a bioterrorism exercise designed to test the abilities of public health and other agencies to respond to a large pneumonic plague outbreak caused by an aerosol release of Yersinia pestis in a major U.S. city (Denver) (3). The exercise highlighted the need for an improved understanding of concerns related to leadership, decision-making, prioritization and distribution of resources, formulation of appropriate principles for containment, and development of methods for managing the crises that would occur in health-care facilities during such an incident.

- Parmenter RR, Yadav EP, Parmenter CA, Ettestad P, Gage KL. Incidence of plague associated with increased winter-spring precipitation in New Mexico. Am J Trop Med Hyg 1999;61:814–21.
- Enscore RE, Biggerstaff BJ, Brown TL, et al. Modeling relationships between climate and the frequency of human plague in the southwestern United States, 1960–1997. Am J Trop Med Hyg 2001 (in press).

 Inglesby TV, Grossman R, O'Toole T. A plague on your city: observations from TOPOFF. Clin Infect Dis 2000;32:436–45.

Poliomyelitis, Paralytic

In January 2000, the Advisory Committee on Immunization Practices (ACIP) approved an all inactivated polio vaccine (IPV) schedule for routine childhood vaccination to eliminate the risk for vaccine-associated paralytic polio (VAPP) (1). Since implementation of this schedule, no cases of VAPP have been confirmed in the United States. Continued monitoring with additional observation time is required to confirm these preliminary findings because of potential delays in reporting.

Under the previous schedule of all oral poliovirus vaccine (OPV), which ended in 1997, an average eight VAPP cases were reported each year (2). Under the sequential polio vaccine schedule (two doses of IPV followed by two doses of OPV) used during 1997–1999, the number of VAPP cases declined steadily from seven cases in 1997 to two cases each in 1998 and 1999 (3).

- CDC. Poliomyelitis prevention in the United States: updated recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 2000;49(No. RR-5).
- Strebel PM, Sutter RW, Cochi SL, et al. Epidemiology of poliomyelitis in the United States one decade after the last reported case of indigenous wild virus-associated disease. Clin Infect Dis 1992;14:568–79.
- CDC. Poliomyelitis prevention in the United States: introduction of a sequential schedule of inactivated poliovirus vaccine followed by oral poliovirus vaccine. Recommendations of the Advisory Committee on Immunization Practices. MMWR 1997;46(No. RR-3).

Rubella

Because of the success of the U.S. rubella vaccination program, rubella is at a record low level, with 176 reported cases in 2000. In recent years, surveillance data have indicated that rubella has disproportionately affected adults of Hispanic ethnicity, with an increase in the proportion of cases among Hispanics from 19% in 1991 to 78% in 2000. Rubella now mostly occurs among persons born in countries that do not have routine rubella vaccination programs or that have only recently implemented such programs.

- Danovaro-Holliday MC, LeBaron CW, Allensworth C, et al. A large rubella outbreak with spread from the workplace to the community. JAMA 2000;284:2733–9.
- CDC. Control and prevention of rubella: evaluation and management of suspected rubella outbreaks, rubella in pregnant women, and surveillance for congenital rubella. MMWR 2001;50(No. RR-12).
- Reef SE, Plotkin S, Cordero JF, et al. Preparing for elimination of congenital rubella syndrome (CRS): summary of a workshop on CRS elimination in the United States. Clin Infect Dis 2000;31:85–95.
- CDC. Rubella among Hispanic adults—Kansas, 1998 and Nebraska, 1999. MMWR 2000;49:225–8.

Salmonellosis

During 2000, a total of 32,021 Salmonella isolates were reported through the Public Health Laboratory Information System (PHLIS) (rate: 11.7/100,000), which was a 24% decrease from 1990 and a 2% decrease from 1999. Of the 2,449 known Salmonella serotypes, the two most commonly reported in 2000 were Typhimurium and Enteritidis, accounting for 42% of isolates. S. Typhimurium and S. Enteritidis have ranked first and second, respectively, in frequency since 1990, although their rankings reversed during 1994–1996 (1). According to a 1999 national survey, 49% of S. Typhimurium isolates were resistant to more than one drug, and 28% had a five-drug resistance pattern characteristic of a single phage type, Definitive Type 104 (2). The number of reported S. Enteritidis isolates has decreased since the

mid-1990s, possibly because of egg safety regulations and egg industry improvements in the 1990s (3).

- Olsen SJ, Bishop R, Brenner FW, et al. The changing epidemiology of Salmonella: trends in serotypes isolated from humans in the United States, 1987–1997. J Clin Microbiol 2001;183:753–61.
- CDC. The National Antimicrobial Resistance Monitoring System: enteric bacteria. Available at http://www.cdc.gov./ncidod/dbmd/narms.
- CDC. Outbreaks of Salmonella serotype Enteritidis infection associated with eating raw or undercooked shell eggs—United States, 1996–1998. MMWR 2000;49:73–9.

Shigellosis

During 2000, a total of 12,732 isolates of shigellosis were reported through PHLIS, with *Shigella sonnei* infections continuing to account for most cases in the United States. Prolonged, communitywide outbreaks of *S. sonnei* infections transmitted in child care centers and other settings where maintenance of good hygienic conditions requires special care account for much of the problem (1). *S. sonnei* also can be transmitted through contaminated foods and water used for drinking or recreational purposes (2,3), and recent evidence has indicated that infections are increasing among men who have sex with men (4).

- Mohle-Boetani JC, Stapleton M, Finger R, et al. Communitywide shigellosis: control of an outbreak and risk factors in child day-care centers. Am J Public Health 1995;85:812-6.
- CDC. Outbreaks of Shigella sonnei infection associated with eating fresh parsley—United States and Canada, July-August 1998. MMWR 1999;48:285–9.
- CDC. Outbreak of gastroenteritis associated with an interactive water fountain at a beachside park—Florida, 1999. MMWR 2000:49:565–8.
- CDC. Shigella sonnei outbreak among men who have sex with men San Francisco, California, 2000–2001. MMWR 2001;50:922.

Streptococcal Disease, Invasive, Group A (including streptococcal toxic-shock syndrome)

During 2000, a total of 915 cases of invasive group A streptococcal (GAS) disease were reported from nine states (California, Colorado, Connecticut, Georgia, Maryland, Minnesota, New York, Oregon, and Tennessee) through the Active Bacterial Core Surveillance (ABCs) project under CDC's Emerging Infections Program (1). Based on these 915 cases, CDC estimates that approximately 8,800 cases of invasive GAS disease (rate: 3.2/100,000) and 1,000 deaths occurred nationally during 2000.

Disease incidence was highest among children aged 1 year (5.8/100,000) and adults aged ≥65 years (8.5/100,000). Streptococcal toxic-shock syndrome and necrotizing fasciitis accounted for approximately 4.0% and 6.0% of invasive cases, respectively. The overall case-fatality rate among patients with invasive GAS disease was 11.5%. CDC identifies invasive GAS isolates based on sequences of the variable portion of the M-protein gene (i.e., emm typing). Although approximately 50% of the GAS isolates emm-typed for 2000 were one of the five known emm types (i.e., 1, 3, 12, 28, and 82), emm-type distribution shows considerable geographic diversity.

 CDC. Active Bacterial Core Surveillance (ABCs) report. Emerging Infections Program Network. Group A streptococcus, 2000 (preliminary). Available at http://www.cdc.gov/ncidod/dbmd/abcs/survreports/gas00prelim.pdf.

Streptococcus pneumoniae, Drug-Resistant, Invasive Disease

During 2000, CDC collected information on invasive pneumococcal disease, including drug-resistant *Streptococcus pneumoniae*, in nine states (California, Colorado, Connecticut, Georgia, Maryland, Minnesota, New York, Oregon, and Tennessee) (1). Of the

3,607 S. pneumoniae isolates collected, 9.8% exhibited intermediate resistance to penicillin (minimum inhibitory concentration [MIC] of 0.1–1 μ g/mL), and 17.1% were fully resistant (MIC \geq 2 μ g/mL) (2). For cefotaxime, 9.8% of all isolates had intermediate resistance and 7.5% were resistant. For erythromycin, 21.3% were resistant. Approximately one-fifth (18.9%) of isolates were not susceptible to the three classes of drugs commonly used to treat pneumococcal infections.

In February 2000, the U.S. Food and Drug Administration (FDA) licensed a pneumococcal conjugate vaccine for use in infants and young children. In October 2000, ACIP issued recommendations for use of the vaccine in children aged <5 years (3). Of isolates from children aged <5 years reported during 2000, a total of 67.6% of all strains (n = 887) and 77.7% of strains not susceptible to penicillin (n = 328) were serotypes included in this 7-valent vaccine.

- Schuchat A, Hilger T, Zell E, et al. Active Bacterial Core Surveillance of the Emerging Infections Program Network. Emerg Infect Dis 2001;7:1–8.
- National Committee for Clinical Laboratory Standards. Performance standards for antimicrobial susceptibility testing: M100–S10 Wayne, PA: National Committee for Clinical Laboratory Standards, 2000.
- CDC. Prevention of pneumococcal disease among infants and young children: recommendations of the Advisory Committee on Immunization Practices. MMWR 2000;49 (No. RR-9):1–38.

Syphilis, Congenital

During 2000, a total of 529 cases of congenital syphilis were reported (rate: 12.6/100,000 live births). Like primary and secondary syphilis, the rate of congenital syphilis has declined sharply in recent years, from a peak of 107.3/100,000 in 1991 (1). Congenital syphilis persists in the United States because a substantial number of women do not receive syphilis serologic testing until late in their pregnancy or not at all. This lack of screening is often related to absent or late prenatal care (2).

- CDC. Sexually transmitted disease surveillance 2000. Atlanta, GA: US Department of Health and Human Services, Public Health Service, CDC, 2001.
- 2. CDC. Congenital syphilis-United States, 2000. MMWR 2001;50:573-7.

Syphilis, Primary and Secondary

During 2000, a total of 5,979 primary and secondary syphilis cases were reported. During 1990–2000, the primary and secondary syphilis rate declined 89%, from 20.3/100,000 to 2.2/100,000. The 2000 rate was the lowest since reporting began in 1941 (1). Although syphilis has declined in all regions of the United States and in all racial/ethnic groups, rates remain disproportionately high in the South and among non-Hispanic blacks, and focal outbreaks continue to occur (including recent outbreaks among men who have sex with men [2,3]).

- CDC. Sexually transmitted disease surveillance 2000. Atlanta, GA: US Department of Health and Human Services, Public Health Service, CDC, 2001.
- CDC. Outbreak of syphilis among men who have sex with men—Southern California, 2000. MMWR 2001:50:117–20.
- 3. CDC. Primary and secondary syphilis-United States, 1999. MMWR 2001;50:113-7.

Tetanus

During 2000, a total of 35 cases of tetanus were reported from 19 states; no cases of neonatal tetanus were reported. Four (11%) cases were among persons aged <25 years, 19 (54%) among persons aged 25–59 years, and 12 (34%) among persons aged >59 years. The percentage of cases among persons aged 25–59 years has increased

during the 1990s; previously, most cases were among persons aged >59 years (1). One case occurred in a child aged 12 years who had never been vaccinated against tetanus because of the parents' objection to vaccination. Six (15%) cases were fatal.

 Bardenheier B, Prevots DR, Khetsuriani N, Wharton M. Tetanus surveillance—United States, 1995–1997. In: CDC surveillance summaries, July 3, 1998. MMWR 1998;47(No. SS2):1–13.

Toxic-Shock Syndrome

During 2000, a total of 135 cases of toxic-shock syndrome (TSS) were reported. Of these cases, three occurred in men. Three cases were fatal, with two of the deaths menstruation-related. The limited number of reported cases in recent years is likely caused by decreased reporting and not a true decline in incidence of disease (1). Continued surveillance will be important to monitor the reemergence of TSS that could occur among women using barrier contraceptive devices and to define better the risk factors for nonmenstrual TSS.

 Hajjeh RA, Reingold R, Weil A, Shutt K, Schuchat A, Perkins BA. Toxic shock syndrome in the United States: surveillance update, 1979–1996. Emerg Infec Dis 1999;5:807–10.

Trichinosis

During 2000, a total of 16 cases of trichinosis were reported from eight states (Alaska, Florida, Hawaii, Illinois, Maryland, Michigan, Ohio, and Wisconsin). Case-patients included seven men and three women whose ages ranged from 34 to 65 years. Bear meat was the cause of the five cases reported from Alaska, and pork was identified as the source of cases from Illinois (n = 2) and Hawaii (n = 1).

Tuberculosis

During 2000, a total of 16,377 tuberculosis (TB) cases (rate: 6.0/100,000) were reported (1), representing a 7% decrease from 1999 and a 39% decrease from 1992, when cases peaked during the resurgence of TB in the United States. During 1992–2000, TB cases among U.S.-born persons decreased 55%, whereas cases among foreign-born persons increased 4% (1).

Since 1993, when states began reporting initial drug susceptibility results to CDC, the number of multidrug-resistant TB (MDR TB) cases in persons with no previous history of TB decreased from approximately 400 (2.5%) to approximately 120 (1.1%) (1). These declines could be the result of stronger control efforts after the resurgence of TB and the emergence of MDR TB. The relatively stable number of cases reported among foreign-born persons indicates that most cases could be caused by infection with *Mycobacterium tuberculosis* in the person's country of origin. CDC has collaborated with state and local health departments to publish recommendations for enhancing TB control efforts among foreign-born persons and is working to expand current efforts based on these recommendations (2,3).

- CDC. Reported tuberculosis in the United States, 2000. Atlanta, GA: US Department of Health and Human Services, CDC, August 2001. Available at http://www.cdc.gov/nchstp/tb/.
- CDC. Recommendations for prevention and control of tuberculosis among foreign-born persons: report of the working group on tuberculosis among foreign-born persons. MMWR 1998;47(No. RR-16).
- CDC. Preventing and controlling tuberculosis along the US-Mexico border: work group report. MMWR 2001;50(No. RR-1).

Tularemia

During 2000, a total of 142 cases of tularemia were reported. The incidence of tularemia in the United States has declined substantially, from nearly 0.36/100,000 in 1955 to 0.06/100.000 in 2000 (1). Although tularemia was removed as a nationally notifiable

disease in 1994, it was reinstated effective January 1, 2000, primarily because of the potential for use of *Francisella tularensis* as a bioterrorism agent (2). Guidelines for public health and medical response to the use of *F. tularensis* as a biological weapon are available (3). During the summer of 2000, lawn mowing or brush-cutting was identified as a risk factor in an outbreak of pneumonic tularemia on Martha's Vineyard, Massachusetts (4).

- Cross JT, Penn RL. Francisella tularensis (tularemia). In: Mandell GL, Bennett JE, Dolin R, eds. Mandell, Douglas, and Bennett's principles and practice of infectious diseases. Philadelphia, PA: Churchill Livingstone, 2000:2393

 –402.
- Notice to readers: changes in national notifiable diseases data presentation. MMWR 2000:49:892.
- Dennis DT, Inglesby TV, Henderson DA, et al. Tularemia as a biological weapon: medical and public health management. JAMA 2001;285:2763–73.
- Feldman KA, Lathrop SL, Enscore RE, et al. Lawnmower tularemia—Martha's Vineyard, Massachusetts, 2000. In: Program and abstract of the 50th Annual Epidemic Intelligence Service (EIS) Conference. Atlanta, GA: CDC, 2001:29.

Typhoid Fever

During 2000, a total of 377 cases of typhoid fever were reported. Despite the availability of two effective vaccines, 300–400 cases are reported each year. Approximately 80% of these cases occur in persons who report international travel during the 6 weeks before illness. Persons traveling to and from their country of origin can be at high risk (1). In many areas of the world, *Salmonella* Typhi strains have acquired resistance to multiple antimicrobial agents, including ampicillin, chloramphenicol, and trimethoprim-sulfamethoxazole (1).

 Ackers ML, Puhr ND, Tauxe RV, Mintz ED. Laboratory-based surveillance of Salmonella serotype Typhi infections in the United States: antimicrobial resistance on the rise. JAMA 2000;283:2668–73.

Varicella

In 1995, varicella vaccine was licensed in the United States, and in 1996, the vaccine became available for use in the public sector (1). Although varicella is not a nationally notifiable disease, since 1990, six states (Massachusetts, Michigan, Missouri, Rhode Island, Texas, and West Virginia) have maintained adequate reporting levels by reporting varicella disease burden constituting ≥5% of their birth cohort.* In these states, a 67% reduction in disease incidence has occurred between the immediate prevaccination years (1993–1995) and the most recent year for which data are available (2000). This decrease is associated with rapidly increasing vaccination coverage; among children aged 19–35 months, vaccination coverage reached 63% during July 1999–June 2000. The marked decline in reported cases from passive reporting to CDC was consistent with data from active varicella surveillance sites (CDC, unpublished data, 2000).

Ongoing surveillance will be important to monitor the impact of the varicella vaccination program. Although deaths from varicella became nationally notifiable beginning January 1, 1999, reporting remains incomplete (2). CDC encourages all states to review death certificates and vital statistics to identify and report deaths from varicella among children, adolescents, and adults.

- 1. CDC. Notice to readers: licensure of varicella virus vaccine, live. MMWR 1995;44:264.
- Council of State and Territorial Epidemiologists. CSTE position statement ID-10: Inclusion of varicella-related deaths in the National Public Health Surveillance System. Atlanta, GA: Council of State and Territorial Epidemiologists, 1998.

^{*}Data obtained from the National Immunization Program.

PART 1

Summaries of Notifiable Diseases in the United States, 2000

ABBREVIATIONS AND SYMBOLS USED IN TABLES

Data not available NA
Report of disease is not required in that jurisdiction (not notifiable) NN
No reported cases
Commonwealth of Northern Mariana Islands
Puerto Rico P.R.
U.S. Virgin IslandsV.I.
Note: Rates <0.01 after rounding are listed

TABLE 1. Reported cases of notifiable diseases,* by month — United States, 2000

							B	8	4	B			-
56256	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Ang.	Sept.	Oct.	MOV.	Dec.
DS.	40,758	2,725	3,519	3,100	3,432	3,592	3,784	3,221	3,015	3,747	2,765	3,016	4,842
Anthrax	-8	1.	13	15	1'	1	1	13	1	1	1'	1	-
Sotulism, loodborne	RE	-0	9	N			1	n.	15	13	-	-	S
Other Godfoder second	38	0	7	200	14	13	m	4	09	=	2.		O) C
Brucellosis	38	4	1 65	ИĽ	01	12	140	12	po	- 6	- 40	- 00	7 8
Chancroid	28		3	24		**	18	2	,	16		,	30
Chlamydia*	702,093			158,377			173,940		,	166.978			182,798
holera	2 3 3 3 5	18	1000	15	2:0	-	-	1	-	I de	100	1	1000
Notosporiasis **	3,128	300	102	14/	121	800	20	288	524	200	432	200	33/
Siphtheria	-	1	1	1	1	1	×	2	2	-	. 1	1	- 1
hrlichiosis, human granulocytic.	351	2	11	9	04	N	35	23	99	R	R	30	74
duman monocytic**	200	-	0	m	2	00	19	40	37	31	13	6	3
ncephalitis, California serogroup viral	114	1		1	1	1	1	12	19	25	13	4	00
Eastern equine	m	1	1	1	1	1	1	1	1	•	1	1	-
St. Louis	2 200	18	300	200	100	1 8	100	1000	000	1	300	120	1000
Sonorrhea	358,995	n	8	79,836	8	180	86,168	8	010	100,331	200	117	93,660
invasiva disease	1 306	8	106	136	361	300	300	304	8	68	110	110	333
lansen disease (leprosy)	16	300	300	34	7	3	3	300	80	000	200	12	24
fantavirus pulmonary syndrome	41	1	2	2	m	es	12	00	S	4	2	1	1
postdiarrheai	249	2	6	12	13	6	18	92	82	19	83	21	47
lepatitis A	13,397	842	1,112	1,013	1,182	1,116	988	1,119	1,104	1,445	1,190	988	1,534
Sattlis D	2,030	300	386	275	713	785	240	999	000	730	909	200	1,003
ionellosis	1.127	35	299	8 98	69	99	9.6	126	152	152	128	83	132
Isteriosis	755	40	18	3	38	189	999	98	88	107	18	44	2
ymedisease	17,730	196	423	428	465	731	1,806	3,559	2,661	2,601	1,375	1,279	2,216
Abasia	0000	80	0	64	307	67	100	200	8"	900	25-	102	77
Meningococcal disease	2,256	217	211	237	234	202	155	185	88	156	151	127	288
Mumps	338	a	221	98	Sis	92	221	21	R	ai	0,0	17	99
ertusats (writooping cough)	9	33)	aco	380	242	404	8	(8)	8	3/16	180	90	1,432
Siffacosis	17	. 1		1	1		2	- 1	1	- 1		3	6
O fever **	21	1	2	2	m	1	5	1	9	1	m	1	-
fabres, animal	6,934	750	305	125	761	612	283	693	138	843	243	468	515
Rocky Mountain spotted fever	495	11	0	1	0	27	2	9	91	8	205	2	29
Rubella	176	1	7	2	27	98	7	23	12	17	22	10	11
Rubella, congenital syndrome	6	1	-	1	1	-	-	-	1	1	1	2	2
Salmonellosis	39,574	1,649	1,714	1,935	2,914	2,842	3,239	4,841	4,472	5,500	3,628	2,818	4,022
Streptococcal disease, invasive, group A	3,144	263	252	303	408	286	268	218	182	203	151	159	463
freptococcus pneumoniae.	3	2	2	2	n	0	0	0	2		*	2	0
drug-resistant, invasive disease **	4,533	409	476	486	425	370	227	281	322	198	203	189	947
Syphilis, total (all stages)	31,575			7,675			8,203			8,099			7,598
Primary and secondary	5,979			1,483			1,540			1.532			1,424
etanus	R	m	-	-	2	2	m	m	4	e	2	m	00
oxic-shock syndrome	83	2000	5	Z	16	74	4	16	9	T C		1	91
uberculosis"	16.377	463	1,020	1300	1304	1370	1,405	1258	1432	1231	1215	1451	2 938
ularemia	142	4	1		3	11	24	38	98	18	7	4	16
Aphoid fever	377	3000	31	Rec	3000	30000	4	8 900	83	800	S	19	2000
ICENS ICHICKETIDOX	705'17	0000	C/3/4/0	3,739	4,306	7,061	2.411	1,036	404	/18	628	2,904	3,813

TABLE 2. Reported cases of notifiable diseases, by geographic division and area — United States, 2000 $\,$

	Total resident population			Bo	tulism			
Area	(in thousands)	AIDS*	Anthrax	Foodborne	Infant	Other*	Brucellosis	Chancroid
United States	272,692	40,7581	1	23	93	22	87	78
New England	13.496	2.028	-	-	1	-	2	2
Maine	1.253	40	-	-	1	_	_	-
N.H.	1,201	31	-	-	-	men	1	-
Vt.	594	38	_	-	-	-	-	_
Mass.	6,175	1,197	-	-	****	-	1	2
R.I.	991	102	-	_	-	-	-	-
Conn. Mid. Atlantic	3,282	9.825	-		22	-	_	
Upstate N.Y.	10,829	1,212	_	1		1	2	26
N.Y. City	7,368	4.992	_	1	2	-	-	26
N.J.	8.143	1,929	_	6	10	_	_	20
Pa.	11,994	1,692	-	1	9	1	2	
E.N. Central	44,442	3.734	-	4	7	1	9	3
Ohio	11,257	599	***	4	5	_	1	1
Ind.	5,943	389	-	-	_	***	-	_
000.	12,128	1,761	-	-	2	_	8	-
Mich.	9,864	767	-	-	-	-	_	-
Wis.	5,250	218	_	-	-	1	-	2
W.N. Central	18,800	956	1	1	1	-	8	=
Minn.	4,776	185	-	1	_	1001	2	_
lowa	2,889	94	-	Name .	NN	-	-	_
Mo. N. Dak.	5,468	459	-	-	-	-	5	-
S. Dak.	634 733	3 8	1	Ē	1		_	
Nebr.	1,666	79	1000	_	-	_	_	=
Kans.	2,654	128	500	_	_	-	1	_
S. Atlantic	49.561	11,234	-	_	3	1	13	17
Del.	754	221	_	_	_		_	-
Md.	5,172	1,465	_	-	1	-		_
D.C.	519	875		-	-	-	-	_
Va.	6,873	891	-	_	2	-	1	. 2
W. Va.	1,807	63	-	-	-	-	-	-
N.C.	7,651	696	-	_	-	1	3	5
S.C. Ga.	3,886 7,788	810 1,237	- manual - m	-	and a	****	-	10
Fla.	15,111	4,976	_	_	-	-	3	-
E.S. Central	16.584	1,989	_	_	5	_	-	1
Ку.	3.961	212		-		_	_	_
Tenn.	5.484	863	-	_	2	_		_
Ala.	4.370	483	-	-	1	-		1
Miss.	2,769	431	-	- commit	-	-	1000	_
W.S. Central	30,325	3,892	-	2	9	1	25	25
Ark.	2,551	194	-	2	1	_	2	_
La.	4,372	679	-	and the same of	-	10000		6
Okla.	3,358	352	CORRECT	-	-	-	1	-
Tex.	20,044	2,667	-	_	8	1	22	19
Mountain	17,128	1,403	_	-	15	-	5	1
Mont.	883	16	_	-	2	-	_	-
Wyo.	1,252	22	-		-	-	-	4700
Colo.	4,056	313	-	_	-	-	1	1
N. Max.	1,740	144		_	2	_	,	
Ariz.	4,778	460	-	-	1	-	1	-
Utah	2,130	151	-	-	8	-	2	_
Nev.	1,809	286	-	-	2	_	_	_
Pacific	44,022	5,599	-	8	30	18	23	3
Wash.	5,756	515	-	5	-	-	-	_
Oreg. Calif.	3,316	210	-	-	1	-	3	-
Calif.	33, 145	4,737	-	3	27	18	19	3
Alaska	620	22	-	-	-	-	-	_
Hawaii	1,185	115	-	_	2		1	_
Guam	149	15	-		_	_	-	_
P.R.	3,890	1,349	_	_	-	_	-	3
V.I. American Samoa	118 62	NA NA	NA	NN.	NN	NA	NN	NA.

Total number of acquired immunodeficiency syndrome (AIDS) cases reported to the Division of HIV/AIDS Prevention—Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP), through December 31, 2000.

Includes cases reported as wound and unspecified botulism.

Totals reported to the Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of May 4, 2001.

Total includes 98 cases in persons with unknown state of residence.

TABLE 2 (Continued) Reported cases of notifiable diseases, by geographic division and area — United States, 2000

						Ehrlich	iosis
Area	Chiamydia*	Cholera	Cryptosporidiosis	Cyclosporiasis	Diphtheria	Human granulocytic	Human
United States	702,093	5	3,128	60	1	351	200
New England	24,333	-	143	10	-	168	3
Maine	1,474	-	20	-	****	1	-
N.H.	1,130	-	25	-	-		1
Vt.	526	_	28	NN	-	NN	NN
Mass. R.I.	10,967	_	37	8	-	30	1
Conn.	2,632 7,604	_	29	NN 2	_	26 111	1
Mid. Atlantic	68,783	1	393	16	_	95	20
Upstate N.Y.	5.324	1	139	NN	_	85	12
N.Y. City	26,170		171	16	=	00	1
N.J.	10,814	-	19	NN	_	1	7
Pa.	26,475	_	64	_	=	9	_
E.N. Central	120,846	_	983	4	_	_	_
Ohio	31,190	-	260	1	-	-	-
Ind.	14,063	-	72	1	_	-	_
III.	32,991	_	126	AMOUNT.	-	NN	NN
Mich.	26,237	_	97	_	-	-	_
Wis. W.N. Central	16,365 40,127	1	428 422	2	=	86	64
Minn.	8,102	i	190	1	_		
lowa	5.987	-	77	1		79	4
Mo.	13,448		31	_	_	7	60
N. Dak.	909	_	18	NN	_	NN	NN
S. Dak.	1.834	_	15	_	_	-	
Nebr.	3,791	mine	82	-	_	-	-
Kans.	6,056	-	9	NN	-	-	_
S. Atlantic	132,774	_	524	22	-	2	27
Del.	2,856	_	9	-	=======================================	_	1
Md.	14,533	_	34	NN	_	NN	NN
D.C.	3,205	-	18	1	-	NN	NN
Va. W. Va.	15,352 2,144	-	21	_	_	_	_
N.C.	21.985	-	28	-	_	2	11
S.C.	9.950	_	40	1	_	_	- 11
Ga.	29,359	ration	191	11	_	_	5
Fla.	33,390	_	240	9	-	_	10
E.S. Central	51,152	_	51	_	_	-	52
Ky.	8,063	-	7	NN	-		3
Tenn.	15,069	_	12	_	-	-	47
Ala.	15,323	_	16	NN		_	2
Miss.	12,697	_	16		-		
W.S. Central	102,210	3	175	2	-	_	34
Ark.	6,219	_	16	NN	_	0.164	22
La. Okia.	17,846 9,331	3	14 30	NN	_	NN	NN 12
Tex.	68,814	-	115	2	_	_	14
Mountain	40,187	_	182	5	_	-	_
Mont.	1,469	_	10		-	NN	NN
Idaho	1,907	-	28	NN		NN	NN
Wyo.	807	-	5	_	_	*****	
Colo.	12,000	_	72	5	=	NN	NN
N. Mex.	5,204	*****	25	-		NN	NN
Ariz.	12,591	-	10	-	-	_	-
Utah	2,190	ectates	28	_	-		
Nev. Pacific	4,019 121,681		4 255	_	1	NN	NN
	13,066	_	NN NN	-		_	_
Wash. Oreg.	7,107	_	NN 20		=	NN	NN
Calif.	95.392	-	235	NN	1	1414	1414
Alaska	2,569	-	200			NN	NN
Hawaii	3,547	-	-	-	-	NN	NN
Guam	525	4					
P.R.	2,695					_	_
V.L.	131	NA	NA	NA	NA	NA	NA
American Samo		-			_	_	
C.N.M.I.	NA	NA	NA	NA	NA	NA	NA

^{*} Totals reported to the Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of May 4, 2001. Chlamydia refers to genital infections caused by C. trachornatis.
* Data from New York State are incomplete.

TABLE 2. (Continued) Reported cases of notifiable diseases, by geographic division and area — United States, 2000

		ncephalitis	•					
	California			Escherichia	coli O157:H7		Haemophilus	Hansen
Area	serogroup viral	Eastern	St. Louis	NETSS'	PHLIS*	Gonorrhea ⁹	influenzae, invasive disease	(leprosy)
United States	114	3	2	4.528	3,625	358,995	1,398	91
New England	_	1	_	380	383	6,883	132	_
Maine	-	-	min	32	30	90	2	-
N.H.	_	-	-	40	39	110	14	-
Vt.	-	-	-	37	37	Œ	10	NN
Mass.	***	1	1990	167	175	3,045	46	-
R.L.	contra		_	20	18	661	9	-
Conn.	_	-		84	- 84	2,912	51	_
Mid. Atlantic	1	-	-	443	348	40,953	243	6
Upstate N.Y.	-	-	-	303	82	8,445	109	NN
N.Y. City	-	_	-	23	18	11,669	66	4
N.J.		-	-	117	119	7,232	41	1
Pa.	_1	_	-	NN	129	13,607	28	1
E.N. Central	29	-	_	1,103	756	71,694	186	4
Ohio Ind.	18	_	-	275 131	226 88	19,303	55	2
Ind.	2 3		Acres .	194	158	6,525	33	1
Mich.	3	_		141	104	20,671 18,182	62 11	1
Wis.	6	-		362	179		25	1
	12	_	_			7,013	86	
W.N. Central Minn.	8	_	_	683 212	625 232	18,114	51	4
lowa	4	_	-	180	148	3,160 1,392	21	2
Mo.	-	_	_	111	98	8.883	23	1
N. Dak.	_	_	_	23	21	73	4	NN
S. Dak.	-	_		56	59	277	7	1414
Nebr.	_	_	_	71	49	1.534	3	1
Kans.	-	-	-	30	18	2,795	4	
S. Atlantic	49	2	_	387	295	94,350	333	4
Del.	-	_	_	3	2.33	1,735		_
Md.			_	36	2	9,837	81	
D.C.	_		-	1	NA	2,706	-	-
Va.	_	_	_	77	68	10,175	41	-
W. Va.	40	-	_	16	13	646	16	-
N.C.	7	2	_	93	75	17,823	23	_
S.C.	-	_	dente.	21	17	8,383	7	-
Ga.	2	-	_	46	40	20,265	26	NN
Fla.	-	_	_	98	79	22,781	81	4
E.S. Central	21	-	-	151	119	36,658	54	1
Ky.	2	-	_	40	33	3,502	12	700
Tenn.	19	4000	_	62	56	11,876	26	1
Ala.	-	-	-	10	9	12,063	14	Jacobs.
Miss.	-	-	- 2	39	22	9,217	2	-
W.S. Central	_	-	2	227	287	54,035	68	19
Ark.	-	_	-	56	38	3,642	2	1
La.	-	-	-	15	54	13,245	16	2
Okla.	_	_	-	19	17	4,229	46	-
Tex.	-	-	2	137	178	32,919	4	16
Mountain	1	_	-	424	306	10,389	135	2
Mont.	-	-	-	31	NA	60	1	_
Idaho	-	_	-	73	41	98	4	1
Wyo.	-	_	_	21	33	53	3	-
Colo.	1	NO.	-	156	110	3,112	33	NN
N. Mex.	-	-	-	22	18	1,152	26	_
Ariz.	manus:	Market .	-	56	45	4,130	53	-
Utah	-	_	_	50	71	231	11	-
Nev.	-	-	-	15	10	1,553	6	1
Pacific	1	-	_	730	507	25,919	161	51
Wash.	NAME	NN	-	237	206	2,418	9	1
Oreg.	1		-	134	115	1,038	34	2
Calif.		_		313	169	21,619	48	33
Alaska	NN	NN	NN	32	6	361	46	-
Hawaii	-	-	_	14	11	483	25	15
Guam	-	-	_	_	NA	62	3	3
P.R.	-		-	7	NA	527	4	2
V.I.	NA	NA	NA	NA	NA	24	NA	NA
American Sam		-	-	_	NA	NA	-	1
C.N.M.I.	NA	NA	NA	NN	NA	NA	NA	NA

No cases of western equine encephalitis were reported in 2000.

National Electronic Telecommunications System for Surveillance.

Public Health Laboratory Information System. Totals reported to the National Center for Infectious Diseases as of May 25, 2001.

Totals reported to the Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of May 4, 2001.

TABLE 2. (Continued) Reported cases of notifiable diseases, by geographic division and area — United States, 2000

	Hantavirus	Hemolytic uremic		Hepatitis				
Area	pulmonary syndrome	syndrome, postdiarrheal	A	В	C; non-A,	Legionallosis	Listeriosis	Lyme
United States	41	249	13,397	8.036	3,197	1.127	755	
New England	1	33	399	140	36	56	/55 58	17,730 5.801
Maine	-	_	22	5	2	2	2	5,801
N.H. Vt.	_	3	19	19	NN	4	4	84
Mass.	1	1	10	6	5	5	3	40
R.I.	-	13	139 31	15	22	18	30	1,158
Conn.	_	16	178	46	21.0	9	2	675
Mid. Atlantic	-	36	1,527	1,165	NA 652	18 306	18	3,773
Upstate N.Y.	NN	26	265	154	46	100	192	9,131
N.Y. City	_	3	528	556	-	47	87 50	4,152
N.J. Pa.	NN	7	288	179	561	23	27	177 2,459
E.N. Central	_	=	446	276	46	136	28	2,343
Ohio	_	24	1,691	832	235	292	136	773
Ind.	-	14	267	107	12	121	59	61
III.	NN	NN	132 696	84 170	-	41	9	23
Mich.	_	1414	491	427	21 202	33	20	35
Wis.	4000	10	105	44	202	53 44	33	23
W.N. Central	4	15	666	321	637	GD	15 16	631
Minn.	1000	13	185	58	15	16	7	570
lowa	-	-	67	38	2	15	2	465 34
Mo. N. Dak.	2	1	258	149	605	26	5	47
S. Dak.	1		4	3	1	1	2	2
Nebr.	NN	NN	38	.2	_	2	-	-
Kans.	1	Twre 1	111	44	5	5	-	5
S. Atlantic	_	35	1,771	1,630	9 128	4		17
Del.	_	7000	15	15	2	211	106	1,176
Md.	NN	NN	210	131	16	10 70	NN	167
D.C.	_	minu	40	35	3	7	22	688
Va.	-	3	164	174	3	37	9	149
W. Va. N.C.	NN		56	30	23	NN	5	35
S.C.	LALA	2	154	256	20	16	NN	47
Ga.	_	10	97 376	23 350	3	7	9	25
Fla.	-	20	659	616	54	10	21	_
E.S. Central	-	12	418	501	466	54 45	40	54
Ky.	-	NN	63	81	40	22	22	50
Tenn.	*0000	12	156	239	112	15	4	13
Ala.	NN	-	56	71	10	5	4	28 6
Miss. W.S. Central	NN		143	110	304	3	-	3
Ark.	2	24	2,460	1,503	755	27	34	93
La.		2	144	109	12	-	1	7
Okla.	_	1	107 272	157	456	7	_	8
Tex.	2	21	1.937	178 1,059	16	5	8	1
Mountain	26	15	977	580	271 97	15	25	77
Mont.	_	_	7	8	5	47	43	16
Idaho	_	NN	45	10	3	2 5		-
Wyo.	_	1	4	3	2	5	1	4 3
Colo.	8	12	223	108	18	15	11	3
N. Mex. Ariz.	10	****	70	144	16	1	2	-
Utah	4	NN	467	215	22	11	20	2
Nev.	-	2	71	37	13	12	4	2 3
Pacific	8	96	90 3,488	1,364	18 191	1	5	4
Wash.	7000	NN	298	132		74	147	120
Oreg.	NN	B	172	124	44 27	19	12	9
Calif.	8	47	2.992	1,083	118	NN	6	13
Alaska	NN	NN	13	13	NA	54	125 NN	96
Hawaii	_		13	12	2	1	4	NN 2
Guam		-	1	10	3			1464
P.R.	NN	NN	255	313	1	1	_	-
V.I.	NA	NA	NA	NA	NA	NA	NA	N14
American Samoa		_	1	-	_	137	IVA	NA
C.N.M.I.	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2. (Continued) Reported cases of notifiable diseases, $\!\!\!^*$ by geographic division and area — United States, 2000

	1	Mean		Meningo- coccal				
Area	Malaria	Indigenous	Imported'	disease	Mumps	Pertussis	Plague	Psittacos
United States	1,560	60	26	2,256	338	7,867	6	17
New England	79	2	4	123	5	1,952	_	_
Maine	7	-	-	9	_	46	4000	******
N.H.	1	2	1	12		159	-	-
Vt.	4	-	3	4	-	254	-	-
Mass.	32	-	-	70	1	1,411		-
R.I.	13	_	-	9	1	28	_	_
Conn.	22	=	_	19	3	54	-	NN.
Mid. Atlantic	392	15	9	262	31	819	_	3
Upstate N.Y.	80	9	1	79	12	385	-	3
N.Y. City N.J.	228	6	7	46 54	8 4	90 56	-	_
Pa.	36	-	-	83	7	288	_	_
E.N. Central	155	9	1	403	27	942	_	2
Ohio	23	3		94		389	_	1
Ind.	11	3		59	9 2	153	_	1
III.	68	3	_	91	6	133	-	-
Mich.	34	3	_	115	7	127	_	_
Wis.	19		1	44	3	140	_	
W.N. Central	84	1	2	157	26	829	-	2 2
Minn.	42	_	1	23	7	575		2
Iowa	2	-		37	8	67	_	_
Mo.	21	400	_	67	5	97	*****	-
N. Dak.	3	400	-	3	1	9	-	NN
S. Dak.	1	_	_	6		11	_	and a
Nebr.	8	-	-	9	2 3	28	1000	-
Kans.	7	1	1	12		42	_	-
S. Atlantic	382	4		337	50	593	_	- 5
Del.	5	_	-	1	_	9	_	= = = = = = = = = = = = = = = = = = = =
Md.	126	-	_	28	9	133	400	whole
D.C.	17		-	-	_	3	1000	-
Va.	56	2	-	42	31	134		-
W. Va.	4	-	-	15	1	3		_
N.C. S.C.	36	-	_	39	9	129	400	
Ga.	47	-	-	26 53	11	63 52	_	_
Fla.	90	2	_	133	2 7	67		4
E.S. Central	46	-	-	137	7	132	_	1
Ky.	18	_	_	26	1	63	_	1
Tenn.	13	_	-	59	2	46	-	,
Ala.	16	-	_	36	4	20	NN	-
Miss.	1	_	-	16	-	4		eme
W.S. Central	73	1	-	245	36	452		_
Ark.	3	1	-	19	3	44	-	-
La.	14	mages	10000	46	5 3	21	-	-
Okla.	10	-	nem:	34	3	600	-	-
Tex.	46	-	1000	146	27	327	-	NN
Mountain	60	12	_	106	24	887	5	-
Mont.	1	460	-	6	1	36	******	_
Idaho	5	-	-	7	1	64	-	
Wyo.		-		2	8	4	1	models.
Colo.	30	2	-	35	3	488	1	-
N. Mex.	11	-thair	_	11	1	91	1	-
Ariz. Utah	6	3		33	6 7	143	1	_
Nev.	7	7	-	5	6	15	1	minin
Pacific	287	36	10	486	130	1,261	1	
Wash.	43	2	1	71	10	458		4
Oreg.	40	- 4	-	70	NN	110		3
Calif.	194	13	6	328	89	631	1	3
Alaska	134	1	-	328	8	21	1	_
Hawaii	10	-	3	8	23	41	-	_
Guam	2	_			16	4		
P.R.	5	3		10	2	12	-	-
VI.	NA	NA	NA	NA	NA	NA	NA	NA
American Samoa	1975	_		4	1404	144	1475	1475
C.N.M.I.	NA	NA	NA	NA	NA	NA	NA	NA

No cases of paralytic poliomyelitis were reported in 2000.
 Imported cases include only those resulting from importation from other countries.

TABLE 2. (Continued) Reported cases of notifiable diseases, by geographic division and area — United States, 2000

		0.	bies		R	ubella		
Area	Ofever	Animal	Human	RMSF*	Rubella	Congenital syndrome	Salmo	nellosis
United States	21	6.934					NETSS'	PHLIS
New England	-	829	4	495	176	9	39,574	32,021
Maine	-	139	_	2	12	-	2,191	2,219
N.H.	-	23		-	-	-	127	104
Vt.	NN	57	_	-	2		148	149
Mass.	NN	277	etimo.	2	8	NN	110	104
R.I.	NN	60	-	_	1	4000	1,236	1,257
Conn.	-	273	-	-	1	_	152 418	158
Mid. Atlantic	_	1,294	1	46	11	4	5.045	5,270
Upstate N.Y.	NN	823	1	7	1	1	1,293	1,280
N.Y. City N.J.	_	18	-	12	9	ä	1,197	1,282
Pa.	PAPA	195	-	12	1	_	1,138	1,028
E.N. Central	LALA	258 169	-	25 31	-	-	1,417	1,679
Ohio	NN		-		1	****	5,451	3.706
Ind.	rer4	52 14	_	18	******	400	1,602	1,459
III.	nana	22	_	4 5	_	-	678	615
Mich.	-	69	4040	4	1	*alian	1,502	303
Wis.	-	12	-	-	_	-	904	942
W.N. Central	3	542	1	54	2	_	765	387
Minn.	9	98	1	.50		-	2,483	2,516
lowa	NN	81	_	2	1	_	614	679
Mo.	-	50	_	41	_	_	373	351
N. Dak.	-	117	_	-71	_		713	864
S. Dak.	_	96	4000	2	_	_	73 100	78
Nebr.	1	3	+100	6	1	_	231	104 139
Kans.	1	97	****	3	_	-	379	301
S. Atlantic		2,402	1	189	119	4	8.629	5,922
Del. Md.	NN	49	-	_	1	_	125	134
D.C.	NN	413	****	19	-	_	804	733
Va.	NN	574	-	minu	-	_	64	NA
W. Va.	rare	114	-	7	4000	Man	1,020	935
N.C.	_	571	_	3		_	181	152
S.C.	C000-	163	_	78 51	89 27		1,149	1,138
Ga.	_	357	8	19	21	3	781	575
Fla.	-	161	_	12	2	1	1,689	1,726
E.S. Central	_	210	-	88	Ĝ		2,816 2,483	529
Ky.	*****	21	-	4	1	_	393	1,834
Tenn.	reason	107	-	58	1		709	269
Ala. Miss.	2001	81	_	34	4	_	676	821 607
W.S. Central	NN		****	12	entre.	name .	705	137
Ark.	Name .	880	-	(B)	10	-	4,952	3,025
La.	PAPA	32	-	24	3	-	729	578
Okla.	NN	4 58	-	2	1		877	755
Tex.	NN	786	-	37	_	- The state of the	405	304
Mountain		294	-	13	6		2,941	1,388
Mont.	_	66	_	4	2	_	2,786	2,496
Idaho	1	10	-	1	_	_	97	NA.
Wyo.	4000	78	_	3	_	-	132	118
Colo.	3		-	-	1		76	60
N. Mex.	-	21	-	1		_	692	679
Ariz.	-	101	_	-	1	-	239 798	208
Utah	1	10	-	2	_	tion .	487	770 479
Nev.	1	9	-	2 2	_	****	265	182
	12	314	1	3	13	3	5.554	5.037
Wash. Oreg.	4	_	nim	-	7	-	659	677
Calif.	4 8	7	-	2	_	The state of the s	297	362
Alaska	NN	272	15	- 1	6	1	4,300	3.715
Hawaii	7674	35	_	NN	-	NN	61	36
Guam			_	NN	-	-	237	247
	-		-	_	1	_	28	NA
P.R.	PAPA	80	_	-	Page 1	_	742	NA
V.I. American Samo:	NA	NA	NA	NA	NA.	NA	NA	NA
C.N.M.I.	NA	NA	***		-	1000	2	NA
Rocky Mountain s	1357	PUP	NA	NA	NA	NA	NA	NA

Rocky Mountain spotted fever.
 National Electronic Telecommunications System for Surveillance.
 Public Health Laboratory Information System. Totals reported to the National Center for Infectious Diseases as of April 9, 2001.

TABLE 2. (Continued) Reported cases of notifiable diseases, by geographic division and area — United States, 2000

			Streptococcal	Streptococcai	Streptococcus		Syphilis	ş.
		ellosis	disease, invasive,	toxic-shock	pneumoniae,	All	Congenital	Primary &
Area	NETSS*	PHLIS'	group A	syndrome	drug-resistant	stages	(age <1 yr)	secondary
United States	22,922	12,732	3.144	83	4.533	31,575	529	5,979
New England	409	385	229	2	143	662	1	91
Maine	11	11	12		-	7		1
N.H.	7	8	16	1	NN	19	2000	2
Vt.	4	650	14	1	16	-	mon.	-
Mass.	283	262	47	1000	NN	447	-	68
R.I. Conn.	35 (B)	34 70	15 125	NN	127	38 151	1	4 16
Mid. Atlantic	2.879	1,726	548	8	228	4,431	60	280
Upstate N.Y.	859	212	300	NA	226	234	6	15
N.Y. City	939	628	136	1074	NA NA	2.711	32	117
N.J.	508	440	69	6	-	801	22	71
Pa.	573	446	43	2	2	685	9	77
E.N. Central	4,215	1,334	792	53	223	3,843	75	1,210
Ohio	437	332	255	31	atmin.	282	5	69
Ind.	1,591	157	36	2	223	747	-	351
100.	1,188	179	204	20	NN	1,646	50	412
Mich.	667	610	267	-	NN	984	16	330
Wis. W.N. Central	332 2.627	2,064	30 258	8	NN 500	184 507	4	48 64
Minn.	901	926	148		453	77	5	16
lowa	569	350	146	-	NN NN	95	_	11
Mo.	671	466	63	1	2	299	3	29
N, Dak,	61	52	9	-	24	1	_	100
S. Dak.	8	6	16	2	8	3	-	-
Nebr.	162	117	5	1	-	7	1000	2
Kans.	255	147	17	4	13	67	2	6
S. Atlantic	3,196	1,171	502	6	2,224	9,033	124	2,002
Del.	25	23	****		5	45		9
Md. D.C.	202 80	115 NA	NN 18	NN NN	NN 69	1,172 516	16	300
Va.	460	350	57	NN NN	NN	537	5	126
W. Va.	26	17	28	6	39	13	9	3
N.C.	400	271	- 88	NN	NN	1.494	18	483
S.C.	144	94	13	****	376	853	24	229
Ga.	339	194	150	-	581	1,635	17	402
Fia.	1,520	107	147	-	1,154	2,768	40	413
E.S. Central	1,213	587	117	1	309	3,398	48	877
Ky.	530	121	30	_	32	253	3	85
Tenn.	354 100	380	87 NN	1	277	1,708	24	532
Ala. Miss.	229	79	NN	NN	NN	752 685	7	123
W.S. Central	3,525	1,169	262	7476	879	4.964	95	137 825
Ark.	235	63	5		34	367	16	104
La.	300	200		NN	50	973	7	209
Okla.	131	45	28	NN	NN	327	1	116
Tex.	2,859	861	229	-	815	3.297	71	396
Mountain	1,295	368	399	5	26	1,135	26	225
Mont.	8	NA	4000	NN	444	ettor	_	4000
Idaho	44	25	16	2	NN	11	inen	1
Wyo.	5	3	8	_	11	5	_	. 1
Colo.	269	221	67	1	-	63	ente	11
N. Mex. Ariz.	188 577	119 350	96 236	1	15	98 847	25	16
Utah	82	350	6	_	_	59	9	189
Nev.	122	- 06	-	_	-	52	-	5
Pacific	3,563	3,428	37	-	1	3.602	86	405
Wash.	501	414	NN		NN	171	_	66
Oreg.	164	113	NN	NN	NN	49	man	12
Calif.	2,853	2,865	NN	NN	NN	3,354	86	325
Alaska	7	3	NN	NN	NN	6	_	-
Hawaii	38	30	37	_	1	22	-	2
Guam	46	NA	-	-	_	9	-	1
P.R.	39	NA	when		_	1,339	16	175
V.I.	NA	NA	NA	NN	_	11	_	3
American Samo		NA	-			NA	NA	NA
C.N.M.I.	NA	NA	NA	NA NA	NA	NA	NA	NA

National Electronic Telecommunications System for Surveillance.
 Public Health Laboratory Information System. Totals reported to the National Center for Infectious Diseases as of April 9, 2001.
 Totals reported to the Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of May 4, 2001.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area - United States, 2000

Area	Tetanus	Toxic- shock syndrome	Trichinosis	Tuberculosis'	Tularemia	Typhoid fever	Varicella¹ (chickenpox
United States	35	135	16	16,377			
New England	_	5	_	489	142	377	27,382
Maine	_	2	_	24	37	27	1,477
N.H.	-	4	-	22	-	1	1,270 NN
Vt.	-	1	-	4	NN	_	NN
Mass.	4600	2	-	285	17	34	195
R.I.	etitio	1000	4000	49	1700	4	12
Conn.	-	NN	-	105	_	8	NN
Mid. Atlantic	6	25	-	2,692	_	111	_
Upstate N.Y.	4	8	***	412	-	18	NN
N.Y. City	_	3	Anne	1,332	_	56	NN
N.J. Pa.	1		-	565	-	28	NN
E.N. Central	4	14	_	383		9	NN
	•	36	8	1,607	14	51	10,017
Ohio Ind.	_	3	1	340	1	8	1,192
ING.	1	5 3	2	145	5	6	NN
Mich.	3	19	1	743 287	4	26	NA
Wis.	-	6	4	92	3	9	8,809
W.N. Central	4	22		551	58	3	16 5,766
Minn.	2	6	_	178	2	1	
Iowa	2	4	_	40	NN	-	NN NN
Mo.	_	3	****	211	28	1	5.744
N. Dak.	-	1	_	5	2		21
S. Dak.	_	-	_	16	13	-	NN
Nebr.		6	-	24	2	-	1
Kans.	1	2	2000	77	11	1	NN
S. Atlantic	4	8	2	3,327	5	56	2,786
Del. Md.	1	1	_	28	2	460	NN
D.C.	-	NN	1	282	-	9	NN
Va.	_	_	***************************************	85 292	A10.1	-	87
W. Va.	1	1	_	33	NN	22	592
N.C.	- Copper	5	_	447	2	3	2,024 NN
S.C.	-	-	****	286	-	-	83
Ga.	1	4600	NN	703	1	9	NN
Fla.	1	1	1	1,171	_	12	NN
E.S. Central	3	8	******	1,013	4	3	123
Ky.	1	2	NN	147	3	1	NN
Tenn.	come.	4	-	383	1	2	1231
Ala.	2	. 2	- Control	310	-	-	NN
Miss. W.S. Central	6	NN	_	173			NN
Ark.	1	1		2,190	34	18	7,066
La.	_	_	NN	199	23	1	NN
Okla.	-	1	_	331 154	11	1	102
Tex.	5	NN	_	1,506	NN	16	NN
Mountain	1	13	_	590	5	10	6,964
Mont.	1	-	_	21	9	2	NN
Idaho	-	5	-	16	-	1	NN
Wyo.		editor.	1000	4	_	_	NN
Colo.	clinio	3	-	97	2	2	NN
N. Mex.	-	1	-	46	-	-	NN
Ariz.	_	-	_	261	1	4	NA
Utah	-	3	-	49	2	1	147
Nev.	-	1	-	96	-	-	NN
Pacific	7	17	6	3,918	5	98	_
Wash.	1	NN	-	258	2	6	NN
Oreg. Calif.	-	NN	_	119	2	6	NN
Alaska	6	17 NN	5	3,297	1	78	NN
Hawaii	_	NN	1	108 136		2	NN
					- Castro	6	NN
Guam	_	_	-	54	-	_	297
P.R.	214	21.4		174	-	_	5,200
V.I. American Samos	NA	NA	NA	NA	NA	NA	NA
C.N.M.I.	NA	NA	NA	NA	21.0	1	104
		PIA	P&A	75	NA	NA	NA

No cases of yellow fever were reported in 2000.
 Totals reported to the Division of Tuberculosis Elimination, NCHSTP, as of April 17, 2001.
 Although not nationally notifiable, reporting is recommended by the Council of State and Territorial Epidemiologists.
 Total represents partial reporting by state. Varicella is no longer notifiable in this state.

TABLE 3. Reported cases and incidence rates of notifiable diseases,* by age group — United States, 2000

			14		1-4 yrs	5-1	5-14 yrs	15.2	15-24 yrs	25	25-39 yrs	3	40-64 yrs	992	265 yrs	Age not
Disease	Total	No.	No. (Rate)	ž	(Rate)	No.	(Rate)	No.	(Rate)	No.	(Rate)	No.	(Rate)	No.	(Rate)	stated
AIDS!	40,758	60	1.63)		(0.40)	132	(0.33)	1,567	4.16	20,511	33.97	17,737	(21.79)	198	660	2
Anthrax Botulism, foodborne	-23	18	0.13)	11	11	1 1	II	1		20	(10.01)	7	0.01	· co	0.01	
Infant	28	16	2.39		000	1 1	11	1.1	II	1	0.01	11	(0.01)	c	(0.01)	1
Brucellosis	28	-	0.03	0	0.05	2	0.03	07	(0.03)	8	(20.03)	R	0.05	48	300	0.000
Chlamydian	700,461	AN	N N	× 1	NA	N N	Z I	306,730	0000	200	00.00	14,364	10.34	2 11	201	200
Cryptosporidiosis	3,128	8	2.41	900	40	85	0.00	261	0.67	98	0.03	B E	980	Bro	000	31
Diphtheria	3-	1	ī	1	T	1	1	-	T	1	Î	1	1	-	(000)	1
Ehrlichiosis, Human granulocytic**	361	1	1	4	(0.03)	00	(0.03)	11	(0.03)	200	00.00	116	00.14	83	0.19	112
Human monocytic**	98	m	0.08)	NO.	(0.03)	on	(0.02)	20	0.02)	Q	0.04)	2	1 0.147	-	0.13	0
Rerogroup viral	7,	1	T	Ø.	50.12	80	0.22	9	0.01	11	11	mex	88	-1	0.00	11
St. Louis	200	11	11	- 1	1	1	11	1	1		8	100	160	108	000	122
Escherichia coli O157:H7	36,440	RX	×28	92	NS3	e ×	NAN NAN	212,679	564.13	109,466	(181.28)	18. 18. 18.	(31:90)	8	2.58	2,495
Haemophilus influenzae, invasive disease	1,398	180	4.96)	106	(0.70)	11	(0.20)	8	0.16	Si	0.15	25	1 8.32	919	3.50	(84
Hansen disease (leprosy)	6	1	Ī	1	1	m	(10.0)	10	0.02)	77	0.04)	17	(0.03)	2	10.0	2
Hantavirus pulmonary syndrome	41	1	ī	1	1	2	(10.0)	80	(0.02)	72	(0.05)	ø	(0.05)	-	(000)	1
Hemolytic uremic syndrame,	240	4	0 121	4.30	1000	9	1 0 171	4	10001	7	(10.0)	92	(0.02)	92	(0.00)	1
Hepatitis A	13,397	ng/i	100	2	40	3,000	7	2000	200	13.684	200	284	3.49	412	2.57	122
Hepatitis C. non-A. non-B	3,197	79	000	250	000	65,	000	180	0.50	200	200	125	2.16	88	0.57	- FE
Legionellosis	1,127	og	0.16	-4	000	4 00	000	YR.	000	200	00:156	167	0.21	9	1.16)	00
Lyme disease	17.73	35	24.0	1.020	06.76	684 684	300	550	0.86	2,743	0.83	440	23	277	00	22
Measles	8	=	0.29	SR3	0.17	95	0.02	12	0.000	3000	0000	24	0.0	312	108.0	1 99
Meningococcal disease	7,7	94	000	S.C.	36.0	45	0.26	NA.	0.090	389	200	(B)	000	, and	000	# 9
Pertussis (whooping cough)	7,867	2,091	54.85	180	5.21	2,338	000	1,245	3.31	81	6.0	84	000	5 1.		1.5
Psitacosis	22	11	II	11	TI	- 1	0.00	~	000	~4	000	00 Z	000	44	55	11
man	4	11.	18	19	1:	18	0 12	18	19	124	000	283	900	18	0.17	l so
Hocky Mountain spotted tever Rubella	256	7	36	000	000	8-	0.05	988	0.24	8	0.11	9	0.01	19	18	4 000
Salmonellosis	39,574	4.797	125.84	6703	42.69	5,879	12.05	829	80.44 (20.00)	3026	5.04	聚	2000	000 000 000 000 000 000 000 000 000 00	000	3,188
Streptococcal disease,	3 144	8	2 801	173	(1.15)	228	(0.58)	119	(0.32)	439	(0.73)	947	(1.16)	986	(2.86)	150
Streptococcal toxic-	8		1		1000	4	1001	w	1100	17	(0.03)	9	(0.05)	36	(0.09)	1
Streptococcus pneumoniae.	2	1	Ī	-	10.01	,	0.0	•	0.00		100:0					
drug-resistant,	4,533	642	16.84)	1,176	(7.79)	881	(0.48)	88	(0.22)	344	(0.57)	884	(1.09)	1,011	(2.93)	506
Syphilis	6.031	MA	MAN	NA	NAN A	NA	NAN	1338	3 551	2.862	(4.74)	1.667	(2.05)	20	(0.25)	3
Tetanus Tetanus	H	1	1	19	12		88	my	000	= 8	000	900	000	25	000	1-
Trichinosis	952	11	11	0-	000	= 1;	511	315	313	200	000	25.0	0.01	1000	000	10
Tuberculosis"	16,377	3-	0.03	72	600 000	- A	0.00	529	0.00	888	0.00	341	900	199	1000	ucus
Typhoid fever	377	0	0.08)	3	(0.33)	R	0.19)	73	0.19)	116	(61.0)	9	(0.00)	2	0.03	1

* No cases of paralytic poliomyelitis, wastern equine encephalitis, or yellow fever were reported in 2000.

Total number of paralytic poliomyelitis, wastern equine encephalitis, or yellow fever were reported in 2000.

Total number of security of the control of

Sav

TABLE 4. Reported cases and incidence rates of notifiable diseases,* by sex — United States, 2000

			Male	•	Fernale	Sex
Disease	Total	No.	(Rate)	No.	(Rate)	stated
AIDS*	40,758	30,583	(22.98)	10,175	(7.31)	-
Anthrax	-	1	1	1	7	_
Botulism, foodborne	28	7	(10.01)	11	(0.01)	1.
Other findings secured	38	9 3	(2.48)	4	2.22)	
Brucellosis	28	8	003	30	000	- 6
Chancroid	R	18	(0.03)	R	(0.05)	1
Chlamydia**	702,093	NA	(NA)	563,206	(404.51)	1,838
Cholera	un o	7	(000)		0000	1 8
Cyptosporaeis**	3,128	3.4	1.35)	18	0.98	5 1
Diohtheria	3-	3		3-	0.000	
Ehrlichiosis, human granulocytic.	351	137	(0.12)	102	(60.0)	112
Human monocytic**	300	137	(0.12)	8	(0.00)	-
Encephalitis, California serogroup viral	7	8.	(0.05)	3	0.04)	_
Sallorin equine	70	- 6	0000	7	0.00	9 1
Escherichia coli 0157:H7	4.528	2.092	1.64	2.308	(1.74)	138
Gonorrhea*	358,995	179,375	(134.78)	178,864	(128.46)	382
Haemophilus influenzae, invasive disease	1,398	909	(0.46)	730	(0.52)	9
Hansen disease (leprosy)	68	38	0.04)	FE 5	0.02)	Ω
Hemolytic gramic evodrome poetdiagrheat	260	28	0.02)	141	0.02)	1 1
Henetitis A	13 207	7 753	5.83	5,552	3 991	26
Heparits B	8,036	4.981	(3.74)	2,997	(2.15)	38
Hepatitis C; non-A, non-B	3,197	1,935	(1.48)	1,180	(980)	28
Legionellosis	1,127	200	(0.54)	418	(0.31)	m
Listeriosis	057.73	200	(0.25)	1010	(0.31)	- 6
Malaria Gladase	1,730	1019	1270	623	0.371	6 50
Messies	98	90	(0.03)	18	(0.03)	1
Meningococcal disease	2,256	1,170	(0.88)	1,068	(90.0)	98
Mumps	338	179	(0.14)	147	(0.11)	12
Pertussis (whooping cough)	7,867	3,004	(2.73)	4,217	3.03)	92
a since of the sin	000	* 5	000	AL	0000	1
O fever*	21	2 92	(0.02)	. 69	(000)	1
Rabies, human	4	4	(00.0)	1	î -	1
Rocky Mountain spotted fever	496	303	(0.23)	191	(0.14)	-
Rubella	176	114	(0.00)	9	0.04)	1 300
Salmonellosis	39,574	16,833	(50.71)	17,750	7.4%	9.366
Strantococcal diseases invasive oroug A**	27,322	1 531	1.01)	1425	1281	198
Streptococcal toxic-shock syndrome**	8	40	(0.05)	41	(0.04)	1
Streptococcus pneumoniae,		-		-		-
drug-resistant, invasive disease**	450	2,784	3.00)	1987	(2.45)	9
Syphilis, primary and secondary.	E/E	3,532	(200)	245	0011	7
Toxic-shock syndrome	198	18	(0.04)	: 18	(0.0)	1
Trichinosis	16	12	(10.0)	4	(0000)	1
Tuberculosis"	16,377	10,225	(7.68)	6,148	(4.42)	4
Typhoid fever	377	202	(0.15)	198	(0.11)	50

No cases of paralytic policynyelitis, western equine encopabilitis, or yellow fever were reported in 2000.
 Notal mobile of Jerus de France (Incompt. ALTS) cases reported to the Division of HIV/ALDS Prevention—Surveillance and Epidemiology. Notal cannot constitute of the Compt. Prevention (ICHS) in the Division of Security framework of the Prevention (ICHS) in the Division of Security framework of the Division of Security framework of the Compt. Notal Compt

TABLE 5. Reported cases and incidence rates of notifiable diseases,* by race — United States, 2000

Disease Bottulism, infert Bottulism, infert Bottulism, infert Bottulism, infert Bottulism, infert Bottulism, infert Chlamydia** Cyclosporiasis* Cyclosporiasis* Human granudocytic** Encephalita, California serogroup viral Tool Bottulism, California viral Tool	N 25 88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Vo. (Rate) 2 (1.11)	270	No. (Rate)	The Personal Property lies and					
leart 40,000 (losis standard) (losis sta	\$6 80 E = 5	(8.51)	.001		No.	(Rate)	No.	(Rate)	No.	No.
lent 1700 1547 1547 1601 1700	2 996 2 2 2	1.110	368	(3.40)	19,864	(56.98)	13,389	(5.96)		6,933*
segis	9,000	1	04	0.04	1	R I	35	0.01	1	8
Cyclosporiates* 3.181 Cyclosporiates* 0.0 Cyclosporiates* 0.0 Human greatudocytic* 25 Human greatudocytic* 25 Ercephalite, California serogroup viral 12 Ercephalite, California serogroup viral 25 Human disease (Ippray) 1.386 Haannonia, ar influenzae invesive disease 1.388 Haannonia, suninonia kyndrome 1.388	0 mng	(400.80)	799'6	(91.37)	236,573	(678.80)	146,368	(64.72)	12	299,024
Efritichiosis Mumar granulocytic ¹¹ Mumar granulocytic ¹¹ Mumar monocytic ¹¹ Mumar monocytic ¹¹ Mumar monocytic ¹¹ Machaeline coli O 157-147 Sag. 440 Machaeline in file area invesive disease 1.388 Machaeline rulinobas sindicome 1.388	889	0.26)	P# I	0.9	22	000	E IS	0.05	t	R
Human graudiocytic" Munan monocytic" 200 Human monocytic" 200 114 Escharchia coli O 187-177 202 203 4538 Hampophius influenzas invasive disease 1388 1391 Hampan disease (laprosy) 41 Hampan disease (laprosy) 42 44	m N 2			1000		1000	77.	(000)	6	232
144 Exchanchila, California serogroup viral 114 Exchanchila (* 0.157-17) Seg. 4238 Seg. 440 Memorphilus influenza invasive disease 1,298 Hanstan disease (laprost) (1991 Hanstan disease vandrome (1991)	2	0.16)		000	460	000	3	(0.02)	1	3
Eschenica coli 0157:H7 Gonormea** (197:H7 Gonormea** (1984) Haennophilus influenzae, invasive disease (1984) Hansen disease (legiousy) Hansen disease (legiousy) Hansen mulmonary syndrome	2	(60.0	15	Î	48	0.00	988	0.049	18	146
Hampophilus influenzae, invasive disease 1,398 Hansen disease (leprosy, 91) Hansenimonary syndrome 41	1772	73.91)	2365	(21.86)	212,729	(610.20)	42,136	(18.76)	11	99,436
Hansen disease (leprosy) Hantavirus pulmonary syndrome 41	9	1.88)	22	0.19	8	0.38)	(2) (2)	0.37)	-0	84
	12	0.65)	1-	(0.01)	1	1	8	(0.01)	.1.	1
Hemolytic uremic syndrome, postdiarrheal 249	1	T	-	(0.07)	9	0.02)	192	0.10	-6	407
Hepatitis A	50	3.38)	416	3.84)	1,569	4.47	3256	(1.45)	22	2713
Hepatitis C: non-A, non-B	2	0.59)	90	0.15)	848	1.29)	1,306	00.50	900	200
Legionallosis	74	0.00	n g	0.18)	88	0.19	68	(0.21)	ım	211
Lyme disease	M.	1.05)	88	(0.92)		0.64)	13,011	(2.80)	38	4224
Malaria Massles	10	900	92	(60.0	84	0.01)	8	0.03	113	E S
Meningococcal disease 2,256	17	0.73	ME	0.32)	Nº	0.96)	1,318	000	ဥက	115
Mumps Partnesis farhooning cough! 7.867	22	3.00)	88	0.88)	2	1.21)	5,123	(2.28)	M.	2,129
Rocky Mountain spotted fever	7	(0.31)		0.00	200	0.000	25	00.0		€19
Rubella Salmonallosis	342	10.09)	514	4.75	3,066	(8.76)	18,799	8.37)	B	16,880
	346	14.43)	4:	(1.31)	4,146	11.89)	- A 785	3.97	20	986
Streptococcal disease, invasive, group A 3,144 Streptococcal toxic-shock syndrome?	01	3.4	t-	0.02)	21	0.03)	8	0.04)	1	900
	1		-			1000	2000	1 4 861	•	1,000
drug-resistant, invasive disease"	Ri	1.65)	R	35	4.130	11.85	1066	0.47)	۱ ،	669
	5	21	81	Î	9	(10.0)	27	(0.01)	1	മാ
sock syndroma	1	1	-	(10.0)	1	(0.05)	201	0.06	1	24
16,	245	(10.22)	3,491	(32.26)	5,283	15.15)	233	3.26	1-	90
Tularemia	20	0000	300	11011	2	(60.0	2	(0.02)	0.	172

* No cases of paralytic polionywilits, wastern equine encopabilitie, or yellow frout reported in 2000 becases with 225 reported assess and paralytic polionywilities wastern equine encopabilities or yellow frout reported in 2000 encopabilities and the control of the control of

TABLE 6. Reported cases and incidence rates of notifiable diseases,* by ethnicity — United States, 2000

		His	Hispanic	Non-Hi	Non-Hispanic	Ethnicity	
Disease	Total	No.	(Rate)	No.	(Rate)	not stated	
AIDS*	40,758	6,817	(21.75)	33,253	(13.78)	989	
Botulism, infant	83	7	1.94)	48	(1.57)	31	
Brucellosis	68	4	(0.16)	13	(0.01)	19	
Chlamydian	700,461	94,707	(302.22)	401,437	(166.33)	204,317	
Cryptosporidiosis	3,128	187	0.60)	1,576	0.67)	380	
Cyclosponasis	3	0	6.00	8	0.01)	9	
Human granufocytic**	361	4	(0.01)	R	(0.04)	268	
Human monocytic**	200	-	(000)	130	(0.00)	9	
Encephalitis, California serogroup viral	114	-	(000)	41	(0.05)	2	
Escherichia coli 0157:H7	4,528	134	0.43)	2,346	(1.02)	2,048	
Gonorrhea	358,440	18,994	(1909)	259,002	(107.31)	80,444	
Haemophilus Influenzae, invasive disease	1,306	88	0.34	386	0.27)	200	
Managing pulmopapy evolutions		è a	0000	35	0.02		
Hamolytic uramic syndroma, postdiarrhaal	249	8	0.00	151	(0.07)	P	
Hebatitis A	13.397	3.408	(10.88)	5.448	(2.26)	4.541	
Hepatitis	8,036	989	(2.22)	4,333	(1.80)	3,007	
Hepatitis C; non-A, non-B	3,197	9	(0.03)	81	0.04	3,096	
Legionellosis	1,127	Z	(0.07)	670	(0.28)	436	
Listeriosis	92	R	(0.23)	370	(0.16)	315	
Lyme disease	17,730	212	0.68)	7,234	3.01)	10,284	
Materia	386,1	88	0.59	28	0.34	28	
Meningococcal disease	2 256	222	0.03	1179	0.02)	39	
Mumps		8	(0.19)	177	(0.02)	101	
Pertussis (whooping cough)	7,867	98	(2.76)	4.901	(2.03)	2.101	
Rocky Mountain spotted fever	486	00	(0.03)	300	(0.13)	187	
Ruthella	176	138	0.44)	8	(10.0)	00	
Salmonellosis	39,574	2,415	(7.71)	14,382	5.96)	22,777	
Shipeliosis	77677	2,301	8.20	8,050	3.34)	00%11	
Street occording to vice by our condenses		90	1.18)	41	0.00	100'1	
Streptococcus pneumoniae, drug-resistant.	3	2	1 0.061		1 0.02	3	
invasive disease**	4,533	216	(1.34)	1,817	(1.30)	2.500	
Syphilis, primary and secondary	5,971	198	(1.76)	5,272	(2.18)	148	
Tetanus	R	on i	(0.03)	9	(10.01)	00	
Toxic-shock syndrome	8	-	(0.03)	28	0.04)	4:	
Luberculosis	16.377	3,805	(12.14)	12,541	9.20	5	
Tumbold forms	45	79	0.00	28	0.03)	38	
Tablicia in the	210	3	101.0	100	10000	100	١

No cases of garantylic poliomyeilitis, western equine encephalitis, or yellow fever were reported in 2000. Diseases with -25 reported assess are not included in munocleighter, by softoms (ADIS) cases, reported to the Division of HIV/AIDS Prevention.

Chairy date feets to genited interiors extended by Christophalis. The properties of the properties

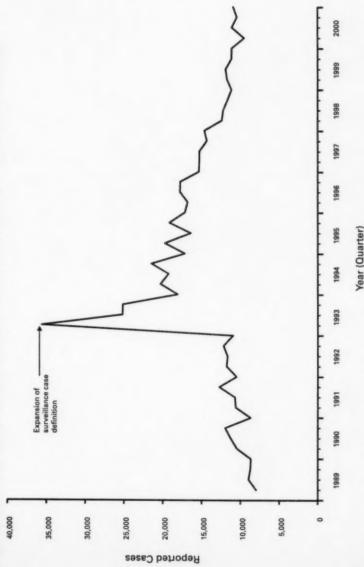
PART 2

Graphs and Maps for Selected Notifiable Diseases in the United States

ABBREVIATIONS AND SYMBOLS USED IN GRAPHS AND MAPS

Data not available	NA
Report of disease is not required in that jurisdiction (not notifiable)	NN
Commonwealth of Northern Mariana Islands	M.I.
Puerto Rico	P.R.
U.S. Virgin Islands	. V.I.

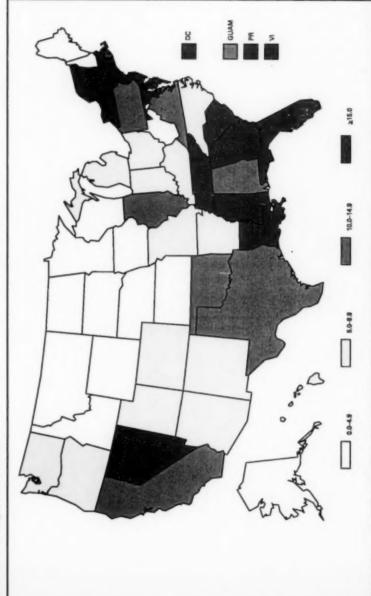




*Includes Guam, Puerto Rico, the U.S. Pacific Islands, and the U.S. Virgin Islands.

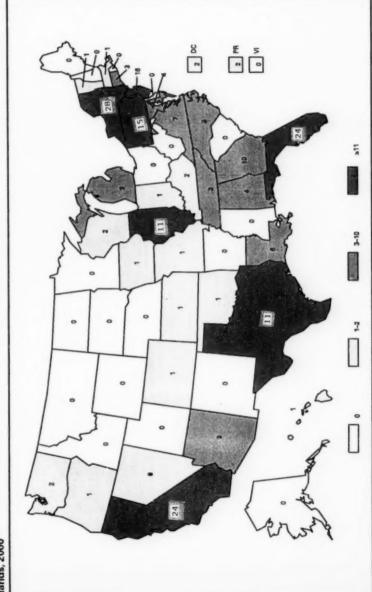
AIDS cases peaked in 1993 following the expansion of the case definition to include HIV-infected persons with severe immune suppression (CD4+ T-lymphocyte counts < 200 µL.). Since 1996, AIDS cases have declined in association with the widespread use of potent combination antiretroviral therapy, which improves survival among treated persons.

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS). Reported cases per 100,000 population — United States, Guam, Puerto Rico, and U.S. Virgin Islands, 2000



successful treatment delays progression of HIV infection to AIDS, AIDS surveillance data alone are now insufficient to monitor trends in the apidemic. Therefore, most AIDS case reports continue to reflect the connection of the epidemic in populous states in the northeastern, southeastern, and western United States. Because states have implemented, or are considering implementing. HIV infection case reporting in addition to the reporting of AIDS.

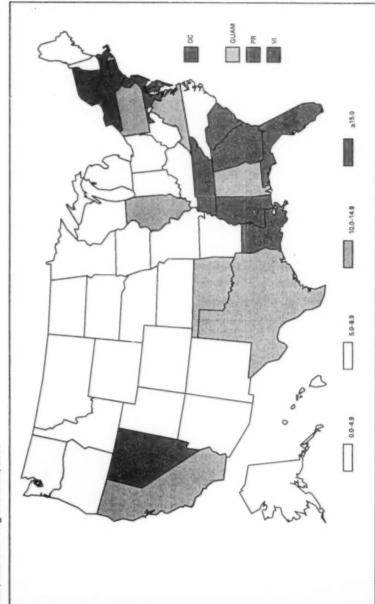
ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS). Reported pediatric cases* — United States, Puerto Rico, and U.S. Virgin Islands, 2000



*Children and adolescents aged <13 years.

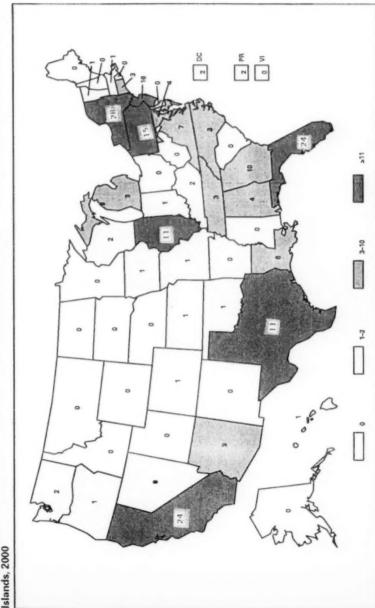
The number of pediatric AIDS cases reported each year has declined since 1992. The decline in pediatric AIDS cases is associated with the implementation of Public Health Service guidelines for universal counseling and voluntary HIV testing of pregnant women and recommendations regarding zidovudine treatment of pregnant women and their newborn infants to prevent perinatal HIV transmission. In addition, some of the decline may be ascribed to improved treatments that delay the onset of AIDS-defining illnesses for HIV-infected children.

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS). Reported cases per 100,000 population — United States, Guam, Puerto Rico, and U.S. Virgin Islands, 2000



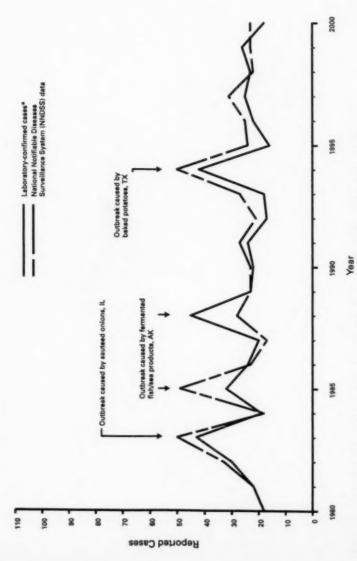
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ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS). Reported pediatric cases* — United States, Puerto Rico, and U.S. Virgin



*Children and adolescents aged <13 years.

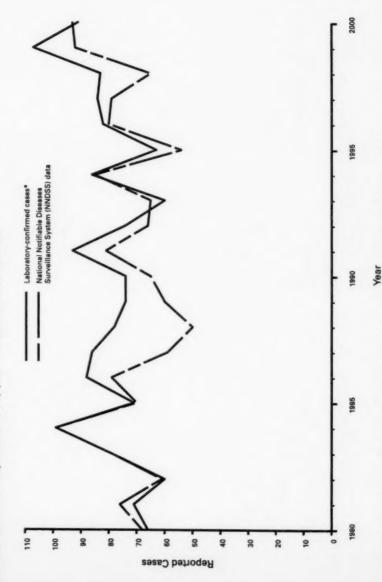
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*Data from Annual Survey of State Epidemiologists and Directors of State Public Health Laboratories.

Foodborne botulism is a rare but potentially fatal disease. Every case of botulism must be treated as a public health emergency, and the source of the contaminated food and all exposed persons must be identified.

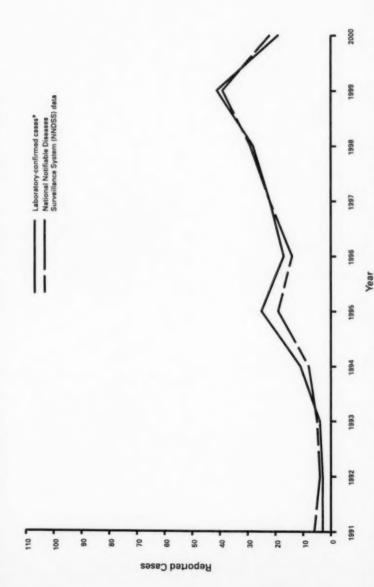
BOTULISM, INFANT. Reported cases by year -- United States, 1980-2000



*Data from Annual Survey of State Epidemiologists and Directors of State Public Health Laboratories.

Infant botulism is the most common type of botulism in the United States. Cases are sporadic, and risk factors remain largely unknown.

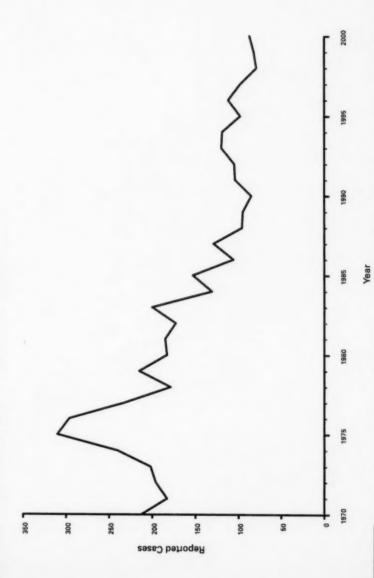
BOTULISM, OTHER (includes wound and unspecified). Reported cases by year — United States, 1991–2000



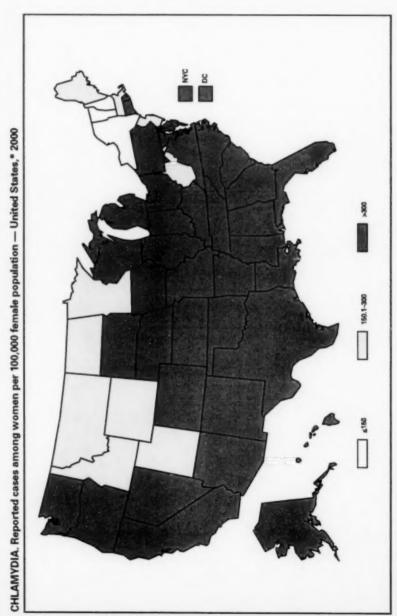
*Data from Annual Survey of State Epidemiologists and Directors of State Public Health Laboratories. Data for wound botulism only.

Wound botulism has increased sharply during the past decade and is now the leading cause of adult botulism in the United States.

BRUCELLOSIS. Reported cases by year — United States, 1970-2000



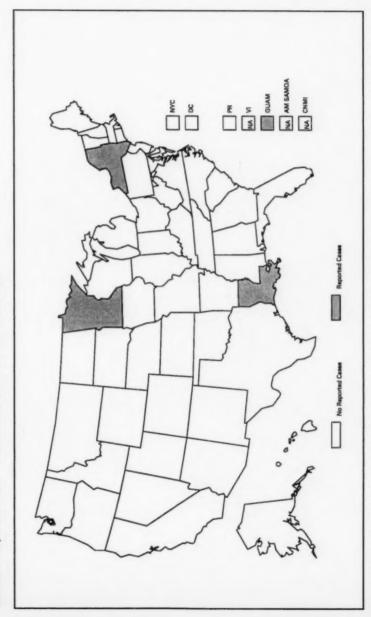
in 2000, the control program for brucellosis among cattle in the United States neared closure, with Brucella abortus being nearly eliminated from U.S. herds. The control of B. abortus in cattle, combined with other public health programs in the United States, has nearly eliminated the risk for brucellosis among U.S. residents. However, brucellosis remains a threat for international travelers and foreign nationals who consume unpasteurized milk products, for hunters exposed to infected wildlife, and for laboratory workers exposed to Brucella species.



*Data from New York State are incomplete.

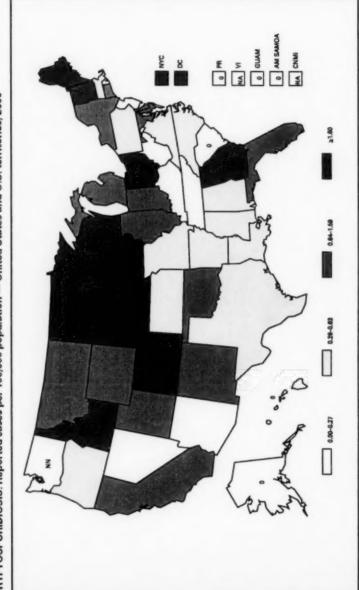
Chlamydia refers to genital infections caused by Chlamydia trachomatis. In 2000, the chlamydia rate among women was 404.5 cases/100,000 population. Rates for men are not given because reporting for men is limited.

CHOLERA. Reported cases — United States and U.S. territories, 2000



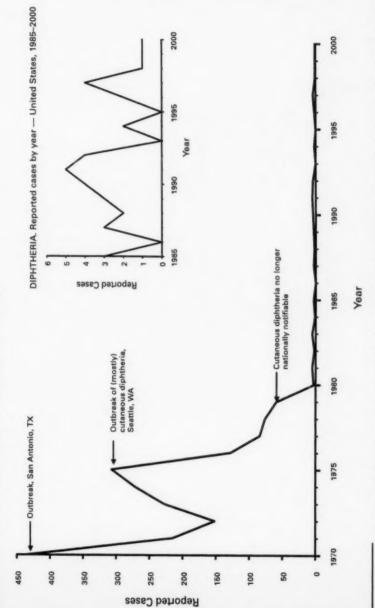
Most cholera infections in the United States are acquired in developing countries or through consumption of contaminated seafood. Cholera vaccine is not recommended for international travelers and is no longer available in the United States.



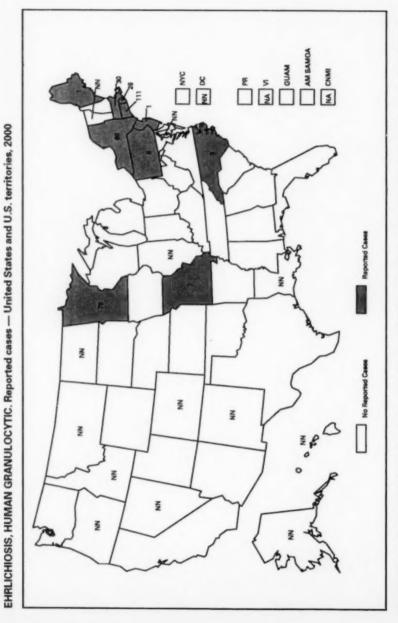


Surveillance data from 2000 suggest that infection with Cryptosporidium is geographically widespread. Case-detection and reporting rates likely are higher in states that participate in CDC's FoodNet or Emerging Infectious Diseases Program and in states that report outbreaks. States conducting active surveillance included California, Connecticut, Georgia, Maryland, Minnesota, New York, Tennessee, and Oregon. Outbreaks were reported from Colorado, Florida, Georgia, Ohio, Minnesota, and Nebraska.

DIPHTHERIA. Reported cases by year — United States, 1970-2000

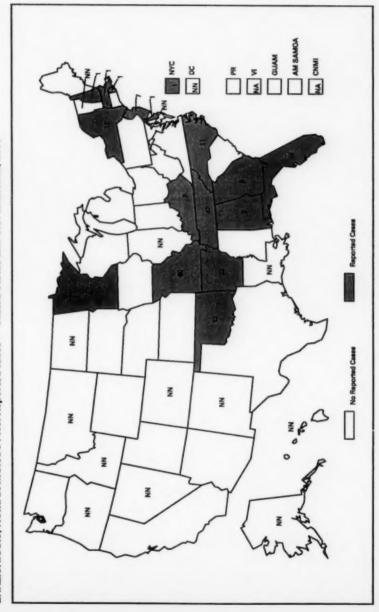


During 2000, one confirmed case of diphtheria was reported from California in a patient with acute membranous pharyngitis. A culture taken from the patient was positive for Corynebacterium diphtheriae, but toxigenicity testing was not done. Non-toxigenic C. diphtheriae can cause localized membranous pharyngitis. Note: Diphtheria vaccine was first licensed in 1949.

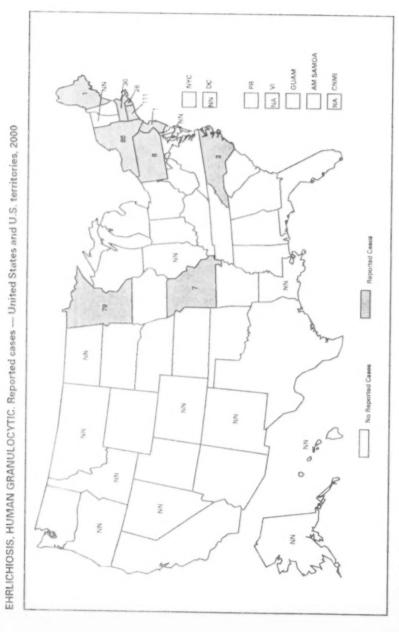


Human ehrlichiosis is an emerging tickborne disease that only became nationally notifiable in 1999. Identification and reporting of human ehrlichiosis are incomplete, and numbers of cases reported in this publication are not definitive for the overall distribution or the regional prevalence of disease.

EHRLICHIOSIS, HUMAN MONOCYTIC. Reported cases — United States and U.S. territories, 2000

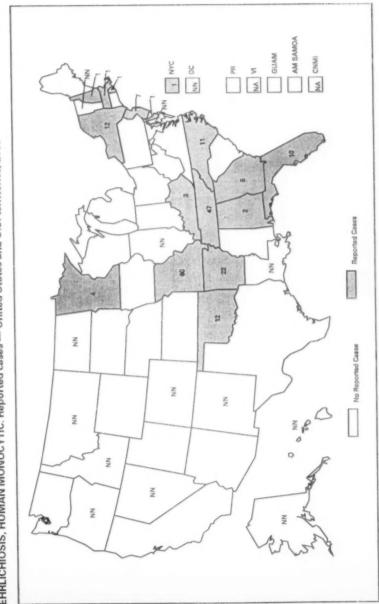


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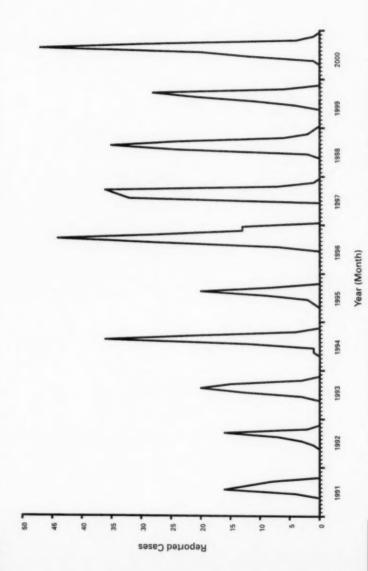
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EHRLICHIOSIS, HUMAN MONOCYTIC. Reported cases — United States and U.S. territories, 2000



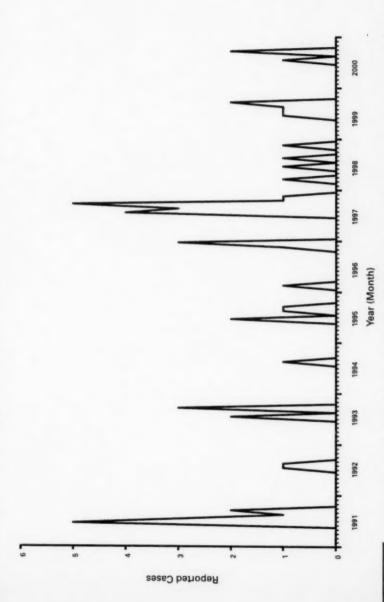
Human ehrlichlosis is an emerging tickborne disease that only became nationally notifiable in 1999. Identification and reporting of human ehrlichlosis are incomplete, and numbers of cases reported in this publication are not definitive for the overall distribution or the regional prevalence of disease.

ENCEPHALITIS. Reported cases caused by California serogroup viruses, by month of onset — United States, 1991-2000



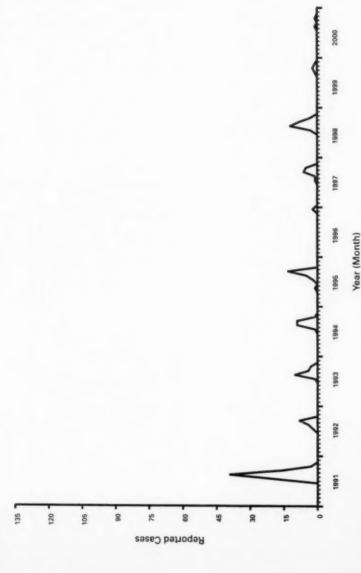
California serogroup viruses (mainly La Crosse virus in the eastern United States, where the eastern treehole mosquito, Ochlerotatus triseriatus, is the primary vector) are an endemic cause of encephalitis — especially in children. In 2000, a total of 114 cases were reported from 14 states. During 1964-2000, an average of 75 cases (median: 66) were reported per year in the United States.

ENCEPHALITIS. Reported cases caused by eastern equine encephalitis virus, by month of onset — United States, 1991–2000



Cases of eastern equine encephalitis among humans, often associated with high mortality rates (i.e., >20%) and severe neurologic sequelae, occur sporadically in the eastern United States. In 2000, three cases were reported from Massachusetts and North Carolina. During 1964-2000, an average of five cases (median: 4) were reported per year in the United States.

ENCEPHALITIS. Reported cases caused by St. Louis encephalitis virus, by month of onset — United States, 1991-2000

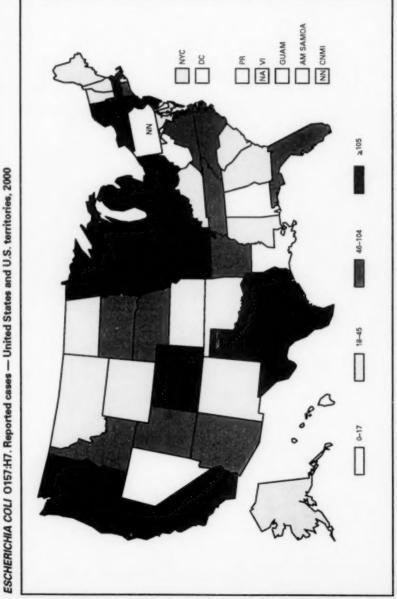


Historically, St. Louis encephalitis virus has been the primary cause of epidemic viral encephalitis in the United States. In 2000, two cases were reported, both from Texas. During 1964-2000, an average of 121 cases (median: 26) were reported per year in the United States.

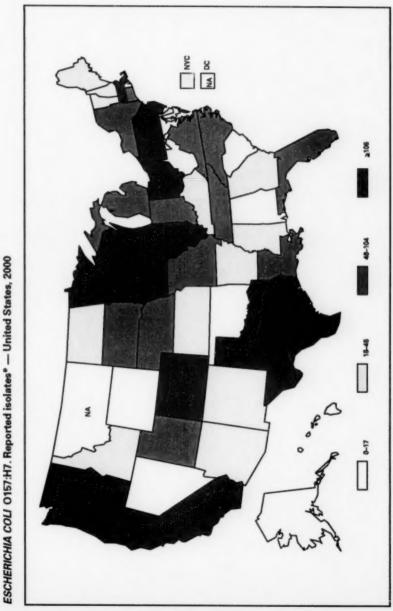
ENCEPHALITIS. Reported cases caused by western equine encephalitis virus, by month of onset — United States, 1991-2000



The most recent epidemic of western equine encephalitis occurred in Colorado in 1987. The reasons for the recent absence of epidemic transmission are poorly understood. No cases were reported nationally in 2000. During 1964-2000, an average of 17 cases (median: 3) were reported per year in the United States.

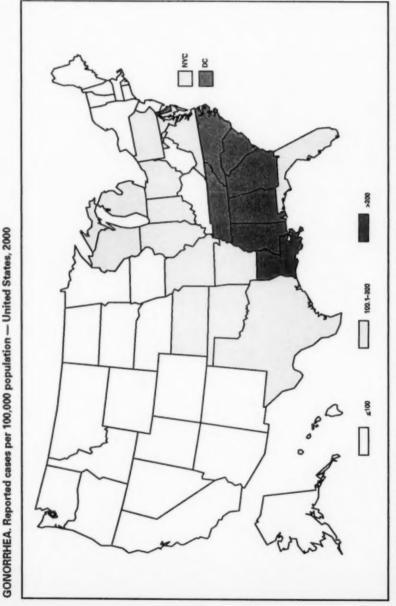


The number of states in which E. coll 0167:H7 infection is a notifiable condition increased to 49 in 2000. However, because <60% of clinical laboratories routinely test all stool specimens — even all bloody stool specimens — for E. coll O157:H7, many infections are not recognized or reported.



*Data from the Public Health Laboratory Information System (PHLIS).

Only E. col/0157:H7 isolates confirmed by a state public health laboratory are reported to PHLIS. Many public health laboratories can subtype isolates using pulsed-field electrophoresis and compare their findings electronically with other states through PulseNet, a national network of public health laboratories.



In 2000, the overall U.S. rate of gonorrhea was 131.6 cases/100,000 population. Twenty-seven states reported gonorrhea rates below the Healthy People 2010 national objective of 100 cases/100,000 population per year.

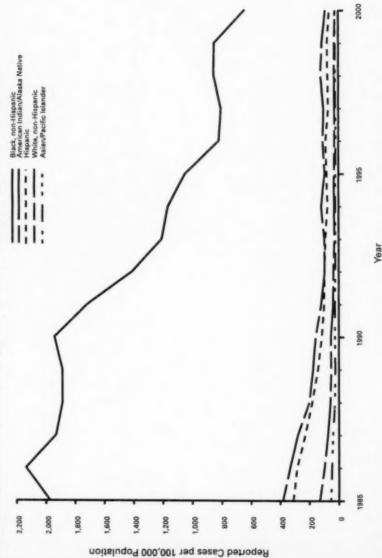
Note: The revised Healthy People 2000 national objective is ≤19 cases per 100,000 population.

GONORRHEA. Reported cases per 100,000 population by sex — United States, 1985-2000



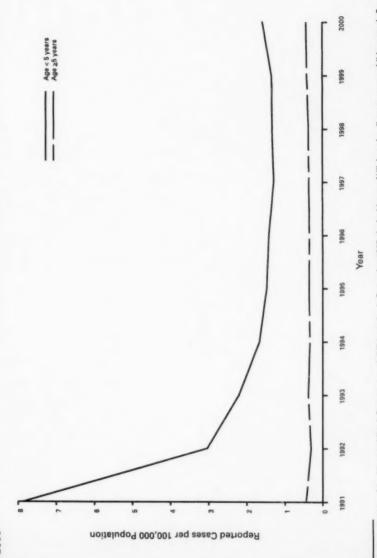
Rates of gonorrhea in the United States have been steady since 1998, at about 132 cases per 100,000 population (131,6 in 2000, 132,0 in 1999, and 131,6 in 1998). No substantial change occurred in the reported gonorrhea rate among women during the years 1999 and 2000 (128.7 and 128.3 cases per 100,000 females, respectively). The gonorrhea rate in men remained the same with 134.7 and 134.6 cases per 100,000 males in 1999 and 2000, respectively.

GONORRHEA. Reported cases per 100,000 population by race and ethnicity — United States, 1985-2000



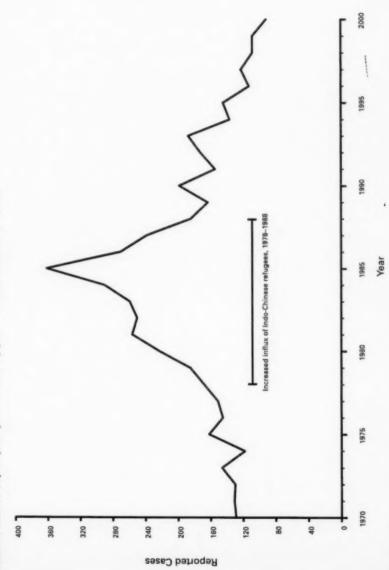
in 2000, gonorrhea rates decreased in non-Hispanic blacks, but increased among American Indian/Alaska Natives, Asian/Pacific Islanders, Hispanics, and non-Hispanic whites.

HAEMOPHILUS INFLUENZAE, INVASIVE DISEASE. Reported cases per 100,000 population by age group — United States, 1991-2000



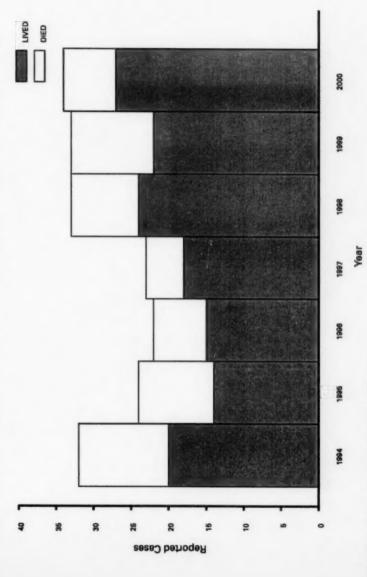
Before the introduction of the Haemophilus influenzae type b (Hib) vaccine in December 1987, the incidence of Hib invasive disease among children aged <5 years was estimated to be 100 per 100,000 population. In 2000, a total of 293 cases of all serotypes of H. influenzae invasive disease were reported among children aged <5 years (incidence: 1.6/100,000 children), with 51 (17%) cases caused by Hib.

HANSEN DISEASE (leprosy). Reported cases by year — United States, 1970-2000



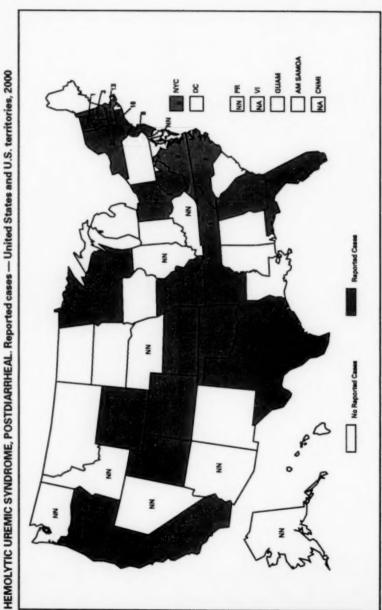
In 2000, a total of 91 cases of Hansen's Disease were reported in the United States. The number of cases peaked at 361 in 1985.

HANTAVIRUS PULMONARY SYNDROME. Reported cases by survival status,* by year — United States, 1994–2000



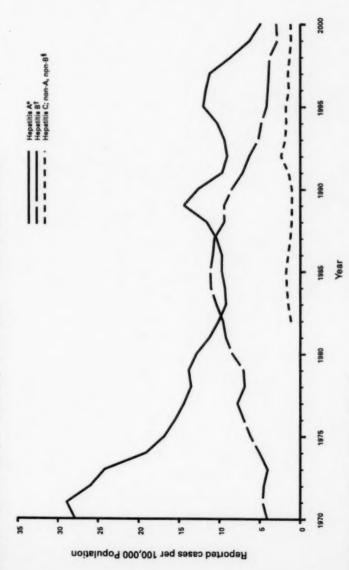
*Data from National Center for Infectious Diseases.

The overall case fatality ratio (CFR) for the period 1994-2000 is 30%.



In the United States, most cases of postdiarrheal hemolytic uremic syndrome are caused by infection with Escherichie coll O157:H7 or other E. coli bacteria that produce Shiga toxin.

HEPATITIS. Reported cases per 100,000 population by year — United States, 1970-2000



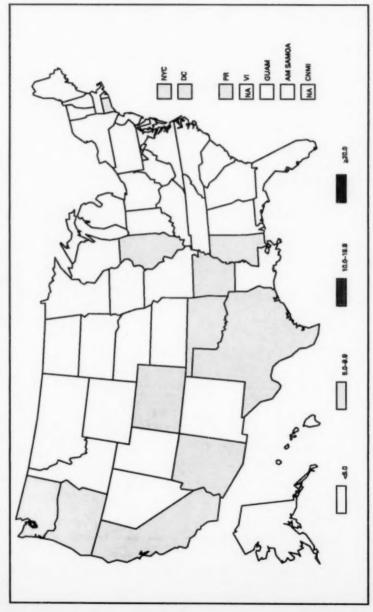
* Hepatitis A vaccine was first licensed in 1995.

Hepatitis B vaccine was first licensed in 1982.

An anti-HCV (hepatitis C virus) antibody test first became available in 1990.

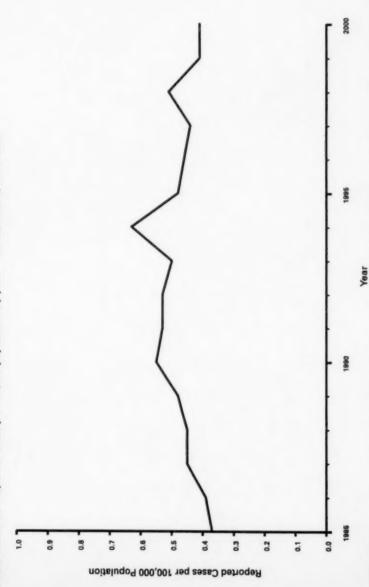
in 2000, the hepatitis A rate was the lowest ever recorded. However, cyclic increases in hepatitis A have been observed approximately every 10 years, and thus rates could increase again. The incidence of hepatitis B continues to decline, but because of asymptomatic infections and under reporting, reported cases represent only a fraction of actual infections occurring (approximately 105,000 new infections annually during 1995–1999). The trend in reported hepatitis C; non-A, non-B after 1990 is misleading, because reported cases have included those based only on a positive laboratory test for anti-HCV, and most of these cases represent chronic HCV infection.

HEPATITIS A. Reported cases per 100,000 population — United States and U.S. territories, 2000



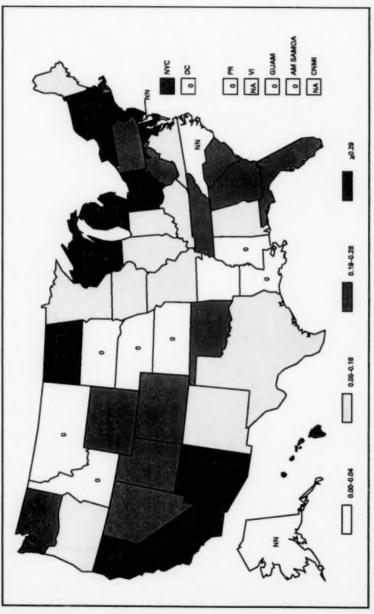
country. Because hepatitis A rates vary from year to year with nationwide increases observed approximately every 10 years, further monitoring is needed to Hepatitis A rates have declined in all regions of the United States, including the western states where rates have historically been higher than elsewhere in the determine whether these rates will remain low.

LEGIONELLOSIS. Reported cases per 100,000 population by year — United States, 1985-2000

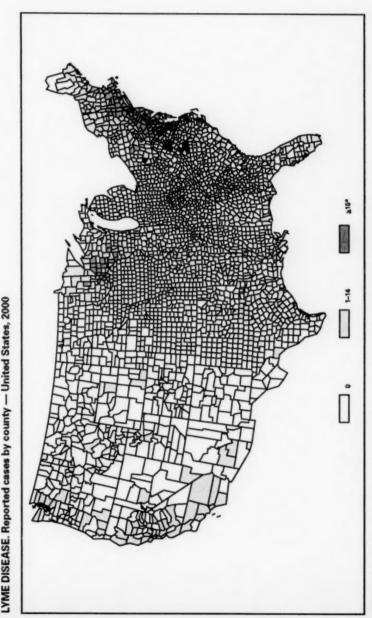


In 2000, the overall reported rate of legionellosis was 0.42/100,000. However, data from population-based studies indicate that the actual rate is approximately 10 times higher.

LISTERIOSIS. Reported cases per 100,000 population — United States and U.S. territories, 2000

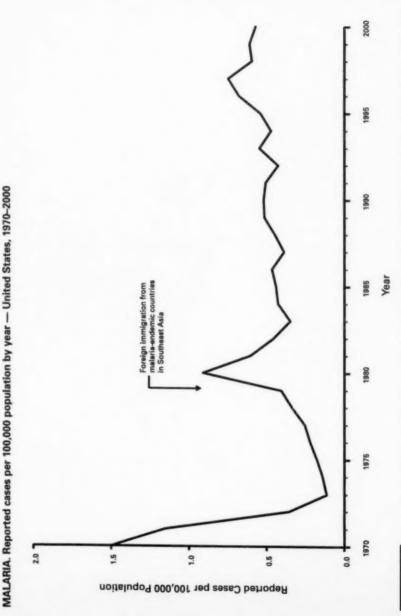


Listeriosis was made a nationally notifiable disease in 2000. Although infection is relatively uncommon, listeriosis is a leading cause of death caused by foodborne illness in the United States.



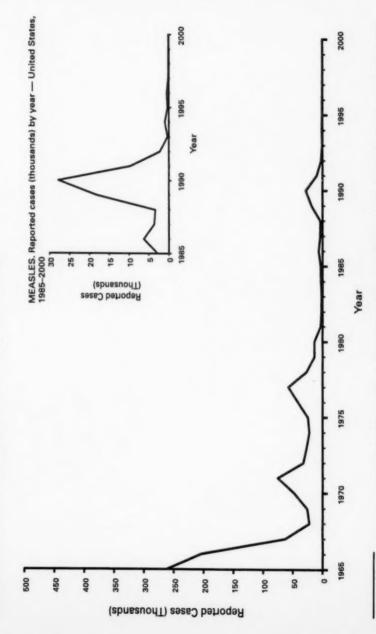
*The total number of cases from these counties represented 90% of all cases reported in 2000.

More Lyme disease cases were reported in 2000 (n = 17,730 cases) than in any previous year. In 10 endemic states (Connecticut, Delaware, Massachusetts, Maryland, Minnesota, New Jersey, New York, Pennsylvania, Rhode Island, and Wisconsin), a total of 16,688 cases were reported (incidence: 25,0/100,000 in 2000). By integrating prevention strategies into community-based programs, CDC and state health departments hope to achieve the Healthy People 2010 goal of reducing the incidence of Lyme disease to 9.7 cases/100,000 population in endemic states.



Imported malaria cases have increased over the last 15 years, most likely as a result of increasing international travel and immigration and growing antimalarial drug resistance.

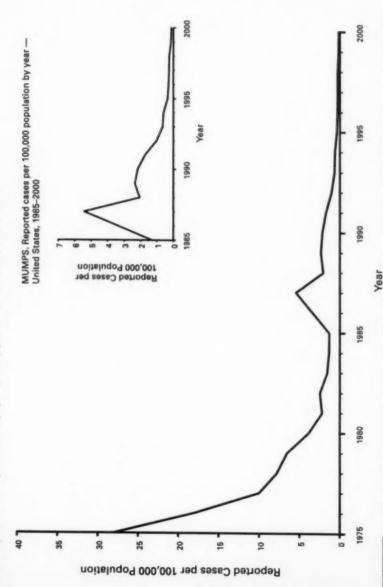
MEASLES. Reported cases (thousands) by year — United States, 1965-2000



With a record low of 86 measles cases reported in 2000, measles incidence remains at <1 case per million population for the fourth consecutive year. Imported cases accounted for 30% of all cases, and an additional 32% of cases were epidemiologically or virologically linked to an international source.

Note: A measles vaccine was first licensed in 1963.

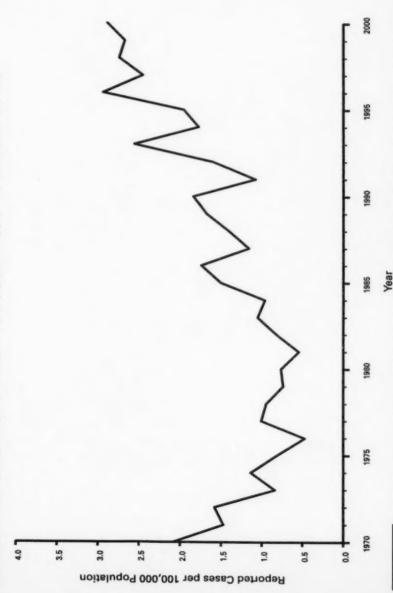
MUMPS. Reported cases per 100,000 population by year - United States, 1975-2000



Because of the recommendation of two doses of measles-mumps-rubella (MMR) vaccine and its high coverage rate in the United States, mumps is at record low levels. During the 1990s, mumps cases declined substantially from 5,292 reported cases in 1990 to 338 reported cases in 2000, meeting the Healthy People 2000 objective of <500 cases per year.

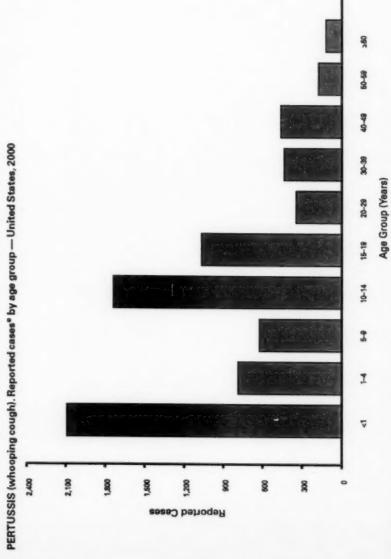
Note: A mumps vaccine was first licensed in December 1967.

PERTUSSIS (whooping cough). Reported cases per 100,000 population by year — United States, 1970–2000



Partussis epidemics occur every 3-4 years. During 2000, the highest number of pertussis cases (7,867) since 1967 was reported (incidence: 2.9 cases per 100,000 population). Since 1993, the number of cases reported after each epidemic year has not returned to the baseline of the pre-epidemic year.

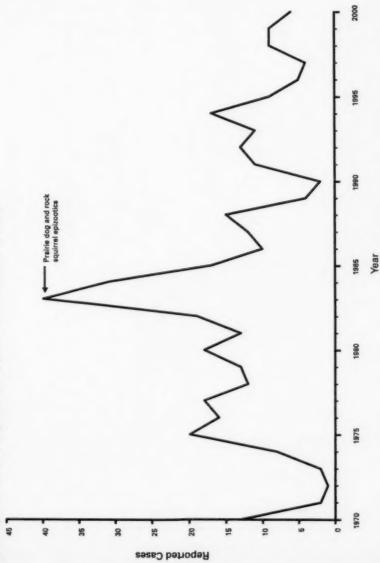
Note: A pertussis vaccine was first licensed in 1949.

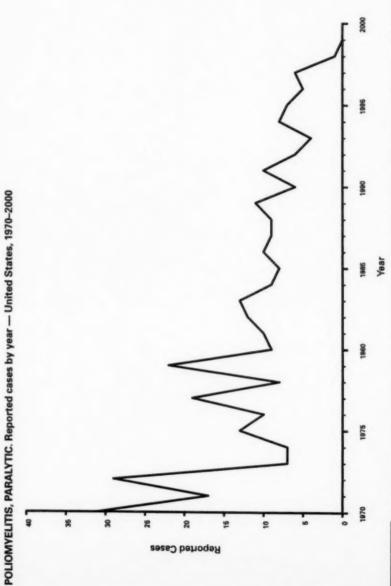


*Of 7,867 cases, 29 were reported with unknown age.

Although the highest number of cases continues to be reported among children aged < 1 year, pertussis cases among adolescents and adults increasingly are being reported to CDC. In 1999, 49% of all reported pertussis cases occurred among persons aged >10 years; in 2000, a total of 56% of all reported cases occurred among persons in this age group.

PLAGUE. Reported cases among humans, by year - United States, 1970-2000

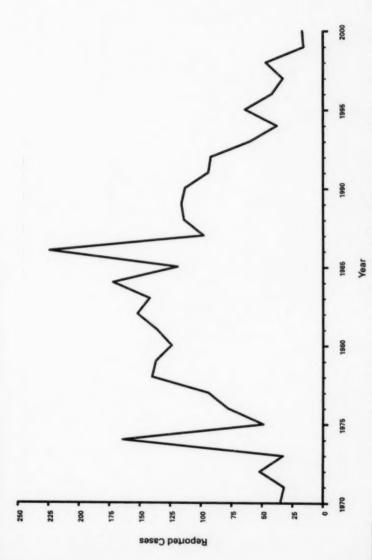




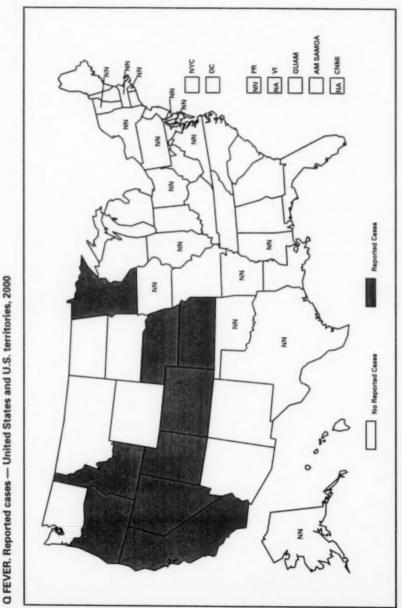
As of January 1, 2000, the Advisory Committee on Immunization Practices (ACIP) recommended the exclusive use of inactivated poliovirus vaccine (IPV) for routine childhood polio vaccination in the United States.

Note: An inactivated poliomyelitis vaccine was first licensed in 1955. An oral vaccine was licensed in 1961.



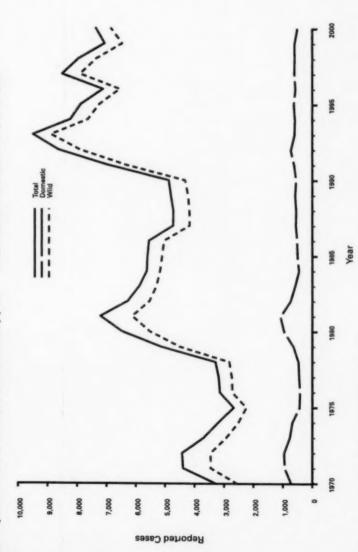


During the 1990s, the number of reported psittacosis cases steadily declined. This decline could reflect both improved diagnostic testing to distinguish Chlamydophila psitaci from C. pneumoniae infections and improved control measures for psittacosis among birds.



Ofever became nationally notifiable in 1999. Identification and reporting of Ofever is incomplete, and the number of cases reported do not represent the overall distribution or regional prevalence of disease.

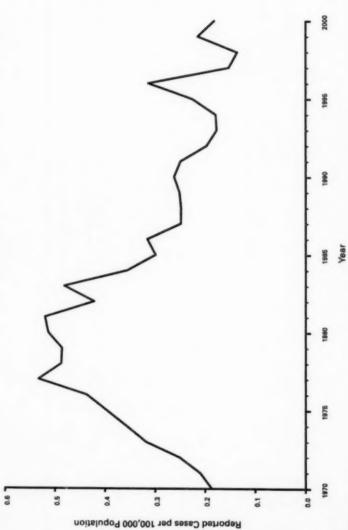
RABIES. Reported wild and domestic animal cases by year* — United States and Puerto Rico, 1970-2000



*Data from the National Center for Infectious Diseases.

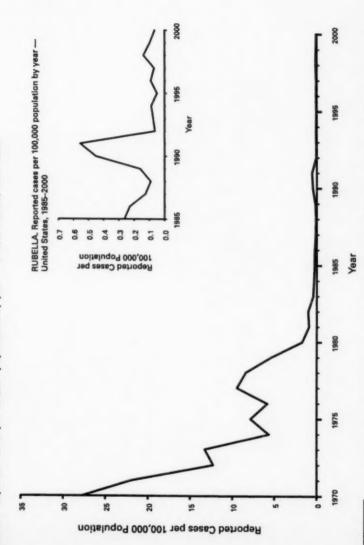
populations increase and reach densities sufficient to support epizootic transmission of the disease, resulting in substantial increases in reported cases. As populations are decimated by these epizootics, numbers of reported cases decline until populations again reach levels to support epizootic transmission of the disease. Periods of resurgence and decline of rabies incidence primarily are the result of cyclic re-emergence, mainly among raccoons in the eastern United States. Wildlife





Changes in the number of reported cases of Rocky Mountain spotted fever might reflect changes in surveillance algorithms for this and other tickborne diseases. Biological factors (e.g., changes in tick populations resulting from fluctuating environmental conditions) also could be involved.

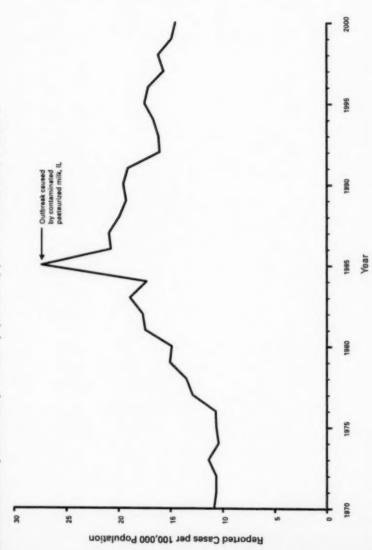
RUBELLA. Reported cases per 100,000 population by year — United States, 1970-2000



Because of the success of the U.S. rubella vaccination program, rubella is at record low levels, with 176 reported cases in 2000. In recent years, surveillance data have indicated that rubella has affected adults of Hispanic ethnicity disproportionately, with an increase in the proportion of cases among Hispanics from 19% in 1991 to 78% in 2000. Rubella now occurs mostly among persons born in countries that do not have routine rubella vaccination programs or that have only recently implemented such programs.

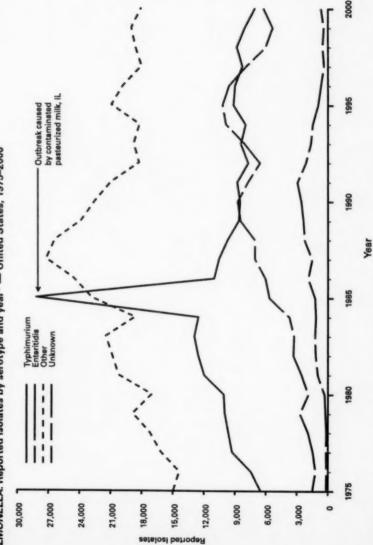
Note: A rubella vaccine was first licensed in 1969.

SALMONELLOSIS. Reported cases per 100,000 population by year — United States, 1970-2000



Public Health Laboratory Information System (PHLIS) data indicate that in 2000, Salmonella serotypes Typhimurium and Enteritidis accounted for 42% of all reported laboratory-confirmed salmonellosis cases among humans.

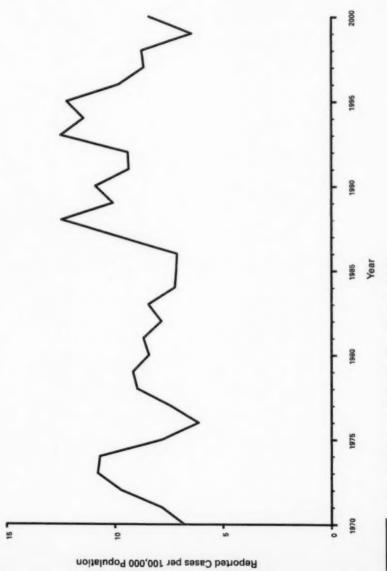
SALMONELLA. Reported isolates by serotype and year* - United States, 1975-2000



*Data from Public Health Laboratory Information System (PHLIS).

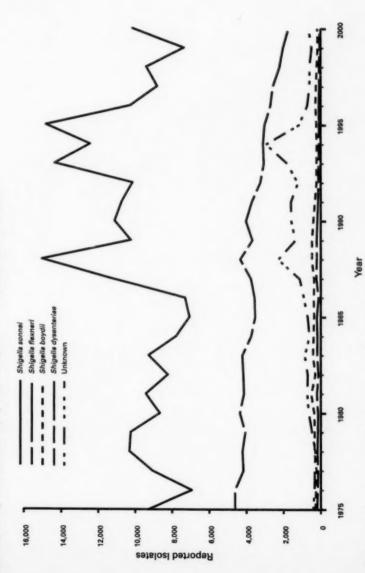
A multiple-resistant strain of Salmonella Typhimurium now accounts for approximately 30% of the S. Typhimurium isolates in the country. The continued decline in Salmonella Enteritidis may be associated with expanded control programs.





An apparent downward trend in the incidence of shigellosis was reversed in the year 2000.

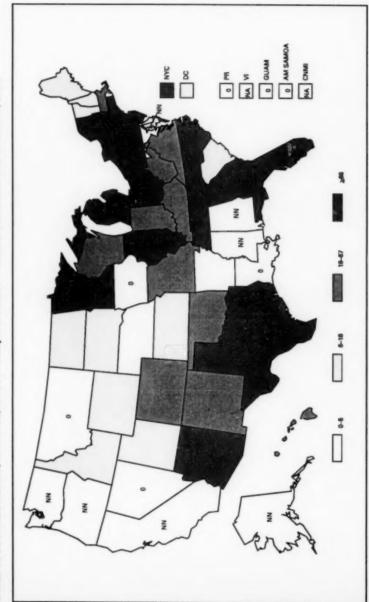
SHIGELLA. Reported isolates by species and year* — United States, 1975-2000



*Data from Public Health Laboratory Information System (PHLIS).

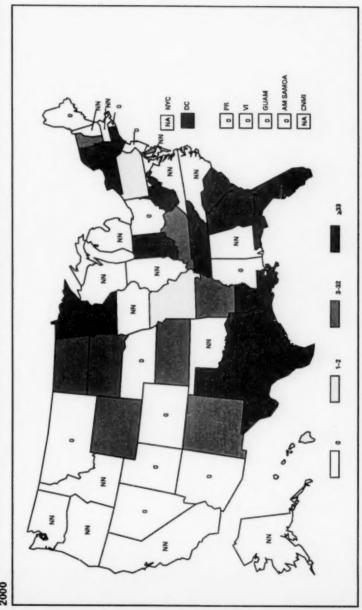
Prolonged and extensive outbreaks of Shigella sonnei continue to occur in child care settings and are recognized with increasing frequency among men who have sex with men. Resistance to first-line antimicrobial agents, including trimethoprim-sulfamethoxazole, continues to increase among S. sonnei.

STREPTOCOCCAL DISEASE, INVASIVE, GROUP A. Reported cases — United States and U.S. territories, 2000

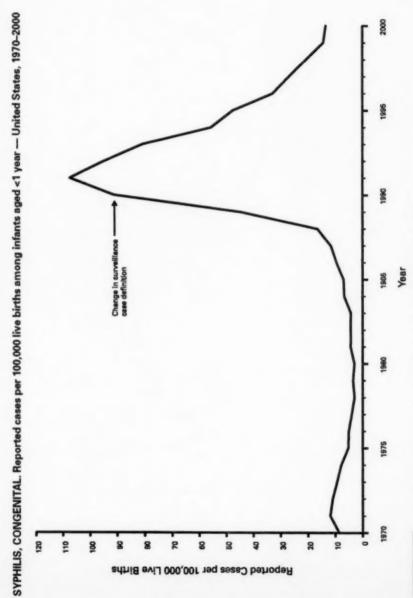


Passive reporting likely underestimates the number of invasive Group A Streptococcus (GAS) infections in the United States. In 2000, a total of 915 invasive GAS infections were reported by nine sites participating in CDC's Active Bacterial Core Surveillance (ABCs), corresponding to an incidence rate of 3.2 cases per 100,000 population and a projected 8,800 cases nationwide.

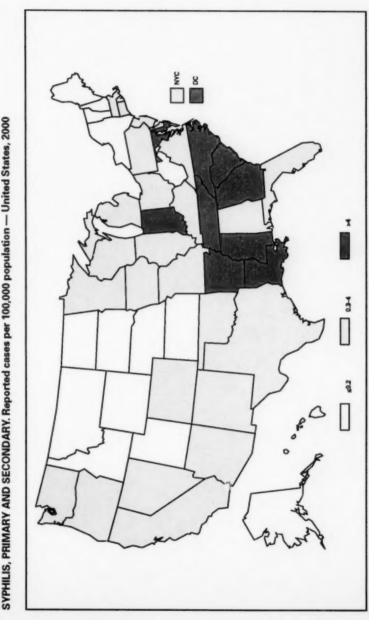
STREPTOCOCCUS PNEUMONIAE, DRUG-RESISTANT, INVASIVE DISEASE. Reported cases — United States and U.S. territories,



Active Bacterial Core Surveillance (ABCs), the rate of invasive pneumococcal disease in the United States was 22 cases/100,000 population; in 2000, 27,5% of pneumococcal strains causing invasive pneumococcal disease had decreased susceptibility to penicillin, and 38.4% were resistant to one or more antibiotics. A new vaccine was licensed in 2000 to prevent pneumococcal disease in young children. The burden of disease caused by drug-resistant Streptococcus pneumoniae may be under represented because of passive reporting. According to data from CDC's



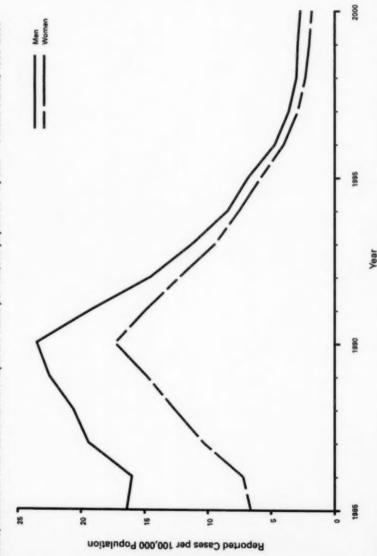
The rate of congenital syphilis decreased from 14.5 cases/100,000 live births in 1999 to 13.4/100,000 in 2000.



in 2000, the rate of primary and secondary syphilis in the United States was 2.2 cases/100,000 population, which is above the Healthy People 2010 national objective of 4.0 cases/100,000 population per year. Fourteen states reported rates at or below the national objective and 15 states reported fewer than six cases.

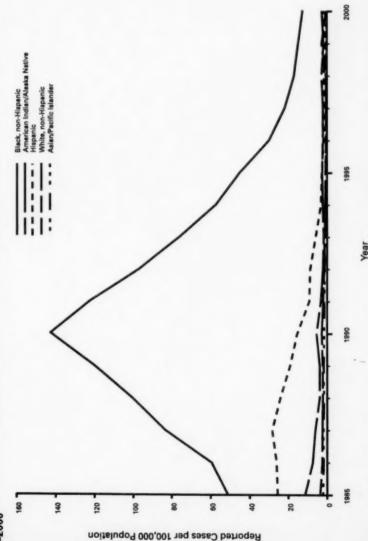
Note: The revised Healthy People 2000 national objective is 0.2 cases of primary and secondary syphilis per 100,000 population.

SYPHILIS, PRIMARY AND SECONDARY. Reported cases per 100,000 population by sex — United States, 1985-2000

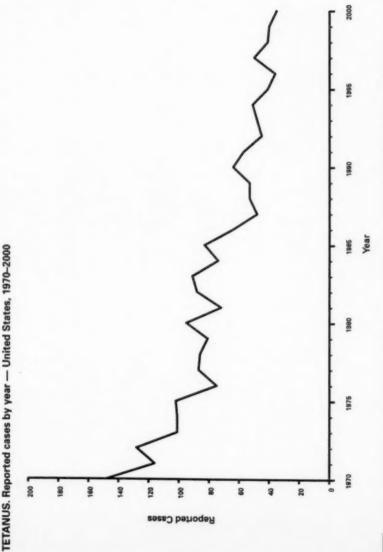


The reported rate of primary and secondary syphilis continues to decline in the United States. In 2000, rates among both males and females were at the lowest since reporting began in 1941. Rates decreased from 2.9 cases/100,000 population in 1999 to 2.7 in 2000 among men and from 2.0 cases/100,000 population in 1999 to 1.8 cases in 2000 among women.

SYPHILS, PRIMARY AND SECONDARY. Reported cases per 100,000 population by race and ethnicity — United States, 1985-2000



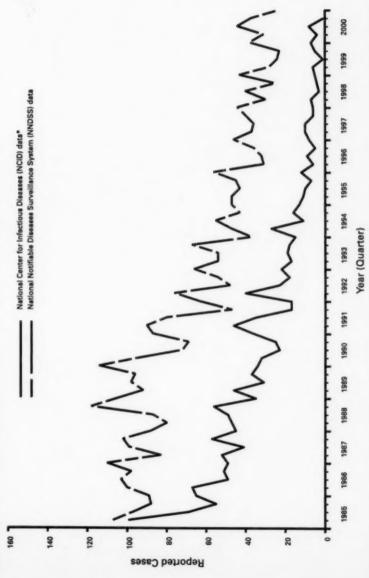
Since 1996, rates of primary and secondary syphilis have generally been stable among all racial and ethnic groups except non-Hispanic blacks, among whom rates have steadily declined. Although the rate for non-Hispanic blacks declined from 15.0 to 12.8 cases/100,000 population during 1999-2000, the rate in 2000 was 21 times greater than the rate of 0.6/100,000 population among non-Hispanic whites.



During 2000, a total of 35 cases of tetanus were reported. The percentage of cases among persons aged 25–59 years has increased in the last decade, representing a shift in the age distribution of cases.

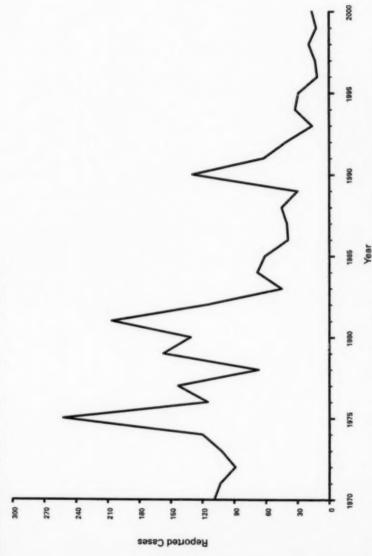
Note: A tetanus vaccine was first available in 1933.

TOXIC-SHOCK SYNDROME (TSS). Reported cases by quarter — United States, 1985–2000



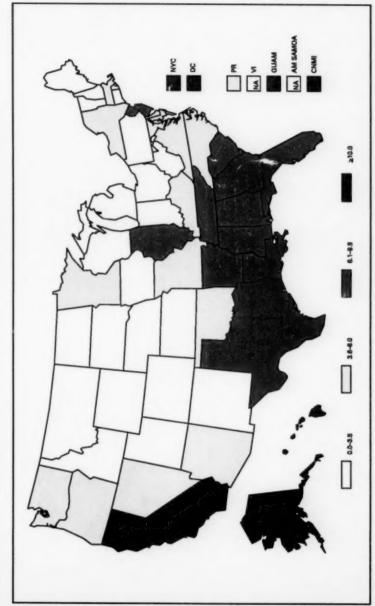
* Includes cases meeting the CDC definition for confirmed and probable cases of staphylococcal TSS. Data for 4th quarter 2000 are not yet available.





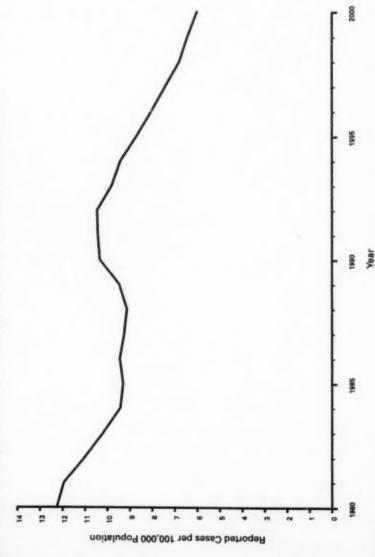
In 2000, 16 cases of trichinosis were reported from eight states (i.e., Alaska, Wisconsin, Illinois, Hawaii, Florida, Maryland, Michigan, and Ohio). The year 2000 marked the fifth consecutive year in which <20 cases were reported from each state.

TUBERCULOSIS (TB). Reported cases per 100,000 population — United States and U.S. territories, 2000



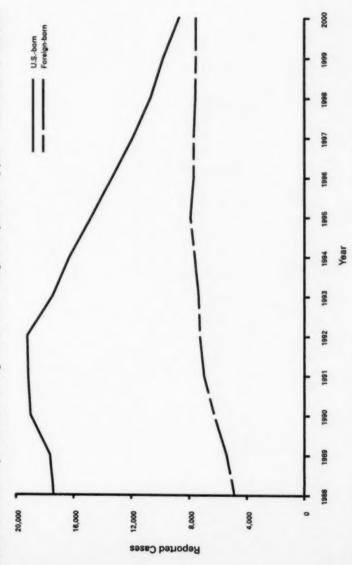
In 2000, a total of 22 states had tuberculosis rates of ≤3.5 cases/100,000 population, which is the interim (i.e., year 2000) incidence target for the elimination of TB by the year 2010.

TUBERCULOSIS (TB). Reported cases per 100,000 population by year — United States, 1980-2000



In 2000, a total of 16,377 cases of tuberculosis were reported to CDC, representing a 6.6% decrease from 1999.

TUBERCULOSIS (TB). Reported cases among U.S.-born and foreign-born persons* by year — United States, 1988–2000



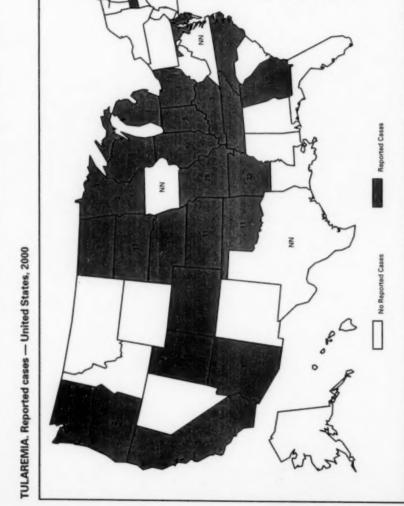
*In 2000, place of birth was unknown for 109 case-patients.

The number of TB cases among foreign-born persons in the United States increased from 4,868 (22%) of the total number of cases in 1988 to 7,554 (46%) of the total in 2000.

NYC DC GUAM AM SAMOA

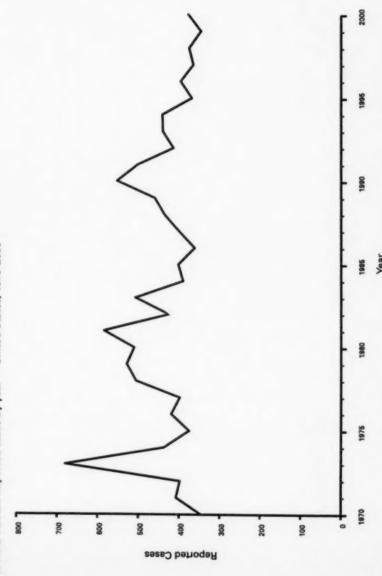
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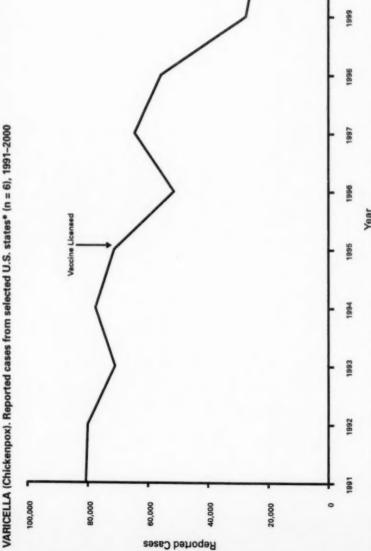
In 2000, 142 cases of tularemia were raported. The incidence of tularemia in the United States has declined substantially, from nearly 0.36/100,000 in 1955 to 0.06/100,000 in 2000. Although tularemia was removed as a nationally notifiable disease in 1994, it was reinstated effective January 1, 2000, primarily because of the potential for use of Francisella tularensis as a bioterrorism agent.

TYPHOID FEVER. Reported cases by year — United States, 1970-2000



The recent discontinuation of one licensed typhoid fever vaccine and shortages of another may lead to an increase in preventable cases of typhoid fever among international travelers.

2000



*Massachusetts, Michigan, Missouri, Rhode Island, Texas, and West Virginia maintained adequate reporting by reporting cases constituting 25% of their cohort during 1990-1995 (National Immunization Program).

The number of varicella cases reported in 2000 is the lowest ever reported, constituting a 13.6% decline compared with cases reported in 1999 and a 67.5% decline compared with cases reported in the pre-vaccine years of 1993-1995.

PART 3

Historical Summaries of Notifiable Diseases in the United States, 1969–2000

SYMBOL USED IN TABLES

Note: Data in the MMWR Summary of Notifiable Disease, United States, 2000 might not match data in other CDC surveillance reports because of differences in the timing of reports, the source of the data, and the use of different case definitions.

the control of the co		THE PARTY OF THE P					1				
Disease	1990	1961	1902	1963	1691	1995	1996	1997	1906	1999	2000
ADS*	16.72	17.32	17.83	40.20	30.07	27.20	26.21	21.85	17.21	18.66	14.95
Amebiasis	138	1.23	1.21	1.21	120	-	-		-	-	-
Anthrax	1	1	000	1	1	1	1	1	1	1	000
Aseptic meningitis	4.77	6.26	5.18	5.30	3.71					•	
Botulism, total (includes wound and unspecified)	(ped)	900	200	100	9000	000	900	900	000	9000	9000
Brucellosis	0.03	000	880	900	0.05	000	900	000	000	000	000
Chancroid	1.70	1.40	080	0.54	0.30	070	0.15	000	000	900	0.03
Choleca	000	000	000	000	000	90.00	100 N	136.80	/0007	25.50	27.76
Crystosporidiosis	3	-		900	700	3	100	133	196	0000	0.00
Cyclosporiasis								7	101	0.35	0.03
Diphtheria	000	000	000	000	000	000	100	0.01	000	000	0000
human monocutic (HME)											0,15
ncephalitis, primary	0.54	0.40	0.30	0.36	0.28	-					900
Post-infectious	000	0.03	000	000	900						
incephalitis, California serogroup viral	•							-	0.04	0.03	0.04
Eastern equine						- 1		-	0000	000	0000
Mostern action									0.01	000	000
scherichia coli 0157:H7				-		101	1.18	104	128	17.1	1.74
canuloma inquinale	276.60	249.48	201.60	172.40	168.40	149.50	122.80	121.40	132.88	133.20	131.65
aemophilus influenzae, invasive disease	-	1.10	950	950	0.46	0.46	0.46	0.44	0.44	0.48	0.51
ansen disease (leprosy)	0.08	0.06	000	000	9000	900	900	90.0	900	000	000
antavrus pulmonary syndrome emolytic uramic syndrome, postdiarrheal						4 4	4 4 Z Z	< < Z	< < Z	¥ < 2	0.00
epatrits A	12.64	3.67	90%	9.40	10.29	12.13	11.70	11.22	850	628	4.91
epatitis B	8,48	7.34	6.32	5.1	4.81	4.19	4.01	330	3.80	2.82	296
eparits, C/non-A, non-B** epatits, unspecified	0.67	0.50	0.36	0.24	0.17	1.78	1.41	1.43	130	1.14	1.17
egionellosis	0.56	0.53	0.53	0.50	800	0.48	0.47	0.44	0.51	0.41	0.42
steriosis	-		-	-	-			-			0.29
yme disease	0.00	3.80	333	330	501	4.40	6.21	4.79	6.30	839	6.53
alaria	0.52	0.51	0.43	2950	0.47	0.56	0.68	0.75	0.60	0.61	0.67
leasies	11.17	3382	0.88	0.12	0.37	0.12	0.20	90.0	000	000	000
lumps lumps	2.17	1.72	100	0.06	0.60	0.0	070	1.24	0.0	0.74	0.13
furine typhus fever	0.02	0.02	0.02	0.01	0.01	-	-	-	-		-

ABLE 7. (Continued) Reported	Reported incidence rates of	rates of	notifiable	diseases	per 100,000	population	ion -	United States, 1	, 1990	-2000	-
isease	1990	1991	1992	1983	1994	1995	1996	1997	1998	1999	2000
ertussis (whooping cough)	184	1.08	1.60	256	1.77	197	294	246	2.74	2.67	2.88
ague	000	000	000	000	100	000	100	001	000	000	000
oliomvelitis, paralytic	000	000	000	000	000	000	100	100	000	000	000
sittacosis	900	0.04	0.04	0.02	0.02	000	000	000	000	000	000
Fever		•	-	-							100
abies, human	000	000	000	000	000	000	001	001	000	000	000
seumatic fever, acute	000	0.12	900	900	000		de				
Mountain spotted fever	0.28	0.26	000	0.18	0.09	0023	0.32	000	p p p	0.70	0.18
Imonellosis, excluding typhoid fever	19.54	19.10	16.04	16.15	16.64	17.66	17.15	15.66	16.17	14.89	14.51
ioellosis	10.89	9.34	9.38	12.48	11.44	12.32	9.80	8.64	8.74	643	8.41
entococcal disease, invasive, group A	-	-	-	-	•	-	-	-	•	-	1.46
reptococcal toxic shock syndrome		•	•		•	•	-	-		-	000
reptococcus pneumoniae, drug resistant,		•	,	•		,	4		,		-
nvasive disease	-	-	-	-			-				77
philis, primary and secondary	20.10	17.26	13.70	10.40	8.10	6.30	4.29	3.19	261	250	2.19
otal, all stages	53.80	51.69	46.30	39.70	32.00	26.20	19.97	17.39	14.16	13.07	11.58
anna	0.03	0.02	0.02	0.02	0.02	0.02	0.02	2000	000	001	0.01
xic-shock syndrome	0.13	0.11	0.10	90.0	0.10	0.07	900	900	900	0.06	900
chinosis	90.0	0.02	0.02	0.01	0.01	100	0.01	100	0.01	0000	000
berculosis	10.33	10.42	10.46	9.82	9.36	8.70	8.04	7.42	6.79	6.43	601
Ilaremia	0.00	90:0	0.00	000	50.0						omo
phoid fever	0.22	0.20	0.76	0.17	0.17	0.14	0.15	0.14	Z,	0.13	7
iricella (chickenpox)*	120.06	135.82	176.54	118.54	136.76	118.11	44.13	53.55	20.78	44.56	26.18
Blowfever	1	1	•	1	1	1	300	1	ı	am	

Acquired Immunodeficiency syndrome.
 Nolonger rationally notifiable.
 Chlamydia refers to genital infections caused by C. trachomatis.
 Notrationally notifiable.
 Anti-HCV antibody test became available May 1990.

Nete. Rates <0.01 after rounding are listed as 0.00. Data in the MMVMR Summary of Notifiable Diseases, United States might not match data in other CDC surveillance reports because of differences in the timing of reports, the source of the data, and the use of different case definitions.

Neess	1903	1994	1986	1996	1987	1998	1999	2000
UDS knablesis	103,891	78,279	71,547	66,885	58,482	46,521	46,104	40,758*
Anthrax	1	-	1	1	1	1	1	-
Aseptic meningitis	12,840	8,932	- 1	-				-
bruitem, total (includes wound and unspecified)	BF	98	66	22	Z)	100	28	138
Infant	88	88	\$3	88	S.P.		181	38
Incelloris	120	115	88	112	88	13	63	87
Chancroid	1,399	773	900	386	243	189	143	784
hlamydia	: 1	2 8	477,638	438,884	526,671	604,420	056,721	702,093
Proposition in	B:	R:	25	T V	2 5.00	2 300	9 300 0	00000
rclosporiasis	:	2	Z	N N	NAN AN	NAN	AN	971.5
Diphtheria	1	2		2	4	-	1	-
Ehrlichiosis, human granulocytic (MGE)	:	2	2	NA	NA	NA	NA	361
Human monocytic (HME)	2	1	2	AN	NA	NA	NA	200
Encephalitis, primary	910	11						
Combalisio Colifornia accompania allesi	2:	2:	414	AIA	NIA.	8		***
Expension compared and a services	2	: 2	22	22	××××××××××××××××××××××××××××××××××××××	8	2"	200
St Louis	2	2	AN	NAN	CAN AN	26.	0 4	20
Western	:	2	N.A.	NA	NA	1	-	4.1
Escherichia coli 0157:H7	99	1,420	2.139	2741	2,556	3.161	4.513	4.528
Sonorrhea	439,673	418,068	392,848	325,883	324,907	355,642	360,076	358,995
3ranuloma inguinale	92	3				-	-	
semophilus influenzae, invasive disease	1,419	1,174	1,180	1,170	1,162	1,194	1,309	1,396
ensen disease (leprosy)	187	81	3	112	22	108	905	91
emolytic uremic syndrome, postdiarrheal	2	:	Z Z	ZZ	N AN	Z Z	ZZ	249
patitis A	24,238	26,796	31,582	31,032	30,021	23,229	17,047	13,397
patitisB	13,361	12,517	10,805	10,637	10,416	10,258	7,694	8,036
Hepatitis C; non-A, non-B**	4,786	4,470	4,576	3,716	3,816	3,518	3,113	3,197
gionellosis	1,280	1,615	1,241	1,198	1,163	1,356	1,108	1,127
Horiosis		RI	3	:	. 1	1	2	75.6
/me disease	8.257	13,043	11,700	16,456	12,801	16,801	16,273	17,730
ymphogranuloma venereum	987	677						

1992_2000 ABIE

Able 6. (Continued) hepotied cases of notiniable diseases	0.000							
84034	1903	1304	1995	1996	1997	1998	1990	2000
Malaria	1,411	1229	1,419	1,800	2001	1,611	1,666	1,560
nasies	312	2363	300	809	138	200	300	98
aningococcal disease	2.637	2.896	3.243	3.437	3,308	2,726	2501	2,256
mps	1,692	1,537	906	361	683	999	387	338
urine typhus fever	16							-
ertussis (whooping cough)	6,586	4,617	5,137	7,796	6,564	7,406	7,288	7,867
end	9	17	on	S	4	0)	00	9
fornyelitis, paralytic ¹⁴	4	80	7	5	so.		1:	1
Psittacosis	8	8	3	9	8	40	92	4
BVer	*	:	:	:	:	*	:	21
Rabies, animal Rabies, human	9,377	8,147	7,811	6,962	8,105	7,259	6,730	6,334
heumatic fever, acute	112	112	-	-	-	-	-	-
tocky Mountain spotted fever	456	405	980	108	409	366	573	495
oolla	192	727	128	238	181	364	292	176
sella, congenital syndrome	LO	7	9	4	10	7	0	o
Salmonellosis, excluding typhoid fever	41,641	43,323	46,970	45,471	41,901	43,694	40,596	39,574
pellosis		29,769	32,080	25,978	23,117	23,626	17,521	22,922
aptococcal disease, invasive, group A		:	:	*	:	2	2	3,144
aptococcal toxic-shock syndrome	*	*	:	2	:	**	*	88
Streptococcus pneumoniae, drug resistant, invasive disease	** 0581	:	:	*	:	:	:	4,533
Syphilis, primary and secondary		20,627	16,500	11,387	8,550	6.983	6,657	5,979
otal, all stages	101,259	81,696	68,963	52,976	46,540	37,977	36,628	31,575
suns	9	2	41	19	8	41	8	8
Toxic-shock syndrome	212	250	50.00	£:	E s	B 3	22	92
Junionia Parceilonia	98 242	24 264	22 000	24 227	10.00	126.01	17 831	16 277
aremia	221	36	44,000	100013	1000	operation of	200	142
shold fever	440	4	380	396	38	375	346	377
ricella (chickenpox)***	134,722	151,219	120,624	83,511	98,727	82,466	46,016	27,382
lowfever	242	111	444		1	1		

Surveillance and Epidemiology, National Center for HIV, STD, and TB

* Total number of acquired immonodeficiency syndrome cases reported to the Division of HIV/AIDS Prevention—Survivolumment (HOHSTP) should December 31, 200.

Revention (NCHSTP) should December 31, 200.

Revention (NCHSTP) should be Division of Sexually Transmitted Disease Prevention, NCHSTP, as of May 4, 2001.

Cases were operated frough the Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of May 4, 2001.

And Individually materially infections caused by C. frachomatis.

And provides harded from the control of the standard of the recognistic standard of the standa

Note: Rates <0.01 after rounding are listed as 0.00. Data in the MMWR Summary of Notifiable Diseases, United States might not match data in other CDC surveillance reports because of differences in the siming of reports, the source of the data, and the use of different case definitions.

Able 3. heported cases of notifiable diseases		- United State	S, 1965-	766				
Isease	1966	1986	1987	1988	1989	1990	1991	1982
'SQI'	8,249	12,932	21,070	31,001	33,722	41,595	43,672	45,472
imediasis otherw	4,433	3,522	3,123	2,860	3217	3,328	2,969	2,942
septic meninaitis	10.619	11.374	11.487	7234	10 274	11.962	14 526	12 222
otulism, total (includes wound and unspecified)	122	109	80	3	8	8	14	16
Foodborne	9 R	nr	CB.	RS	ne	28	28	228
ucellosis	153	900	128	88	168	8	101	109
hancroid	2,067	3,756	4,998	5,001	4,682	4.212	3.476	1,886
polera	40	2	90	00 r	1.		8	103
ncephalitis, primary*	1,376	1,302	1,418	885	388	1341	1,021	774
Postinfectious	911,419	900,868 780,905 715	780,905	719,536	733.151	105	620.478	128
ranufoma inguinale	4	19	n	=	-	16	R	9
semophilus influenzae, invasive disesse		-	-			-	-	1,412
insen disease (leprosy)	18	270	862	184	163	961	154	172
Addition	23,210	23,430	25,280	28,507	35,821	31,441	24,378	23,112
- 2	4 104	10,10	00000	28.17	23,419	21,102	16,003	16,125
patitie, unspecified	5,517	3.000	310	2,013	2,202	1671	1282	000
	830	086	1,038	1,065	1,190	1,370	1317	1,339
ptospirosis	19	41	8	25	93	11	28	35
medisease	•				-	-	•	9.896
mphogranuloma venereum	977	300	303	186	189	TT.	471	305
	900	1,123	3	1,080	1,277	1,292	1,278	1,067
eningocorral disease	27877	28282	980	9000	18, 193	27,786	2,643	2,237
umps	2,982	7,790	12.848	4.806	5712	5.292	4264	2672
urine typhus fever	37	69	9	3	41	8	8	R
artussis (whooping cough)	3,569	4.196	2.823	3.460	4.157	4570	2.719	4.083

10000	1986	1986	1987	1968	1989	1990	1991	1992
Baue	4	0,0	12	102	4	2	11	13
Homvelitis, paralytic	00	0,	0	on	11	9	Q	9
ittacosis	911	224	88	134	116	113	3	81
bies, animal	5,566	5,504	4,658	4,651	4,724	4,826	6.910	8,589
bios, human	-	1	-	1	-	-	m	-
neumatic fever, acute	8	147	141	158	¥	901	127	R
ocky Mountain spotted fever	714	760	409	609	623	661	829	502
rbeila	0039	199	306	228	968	1.125	1,401	160
bella, condenital syndrome	1	Z	40	9	e	11	40	13
Imonellosis, excluding typhoid fever	66.347	49.984	50.916	48.948	47,812	48.603	48.154	40.912
ioellosis	17.057	17.138	23.860	30,617	25.010	77.077	23.548	23,931
philis, primary and secondary	27.131	27,883	35.147	40,117	44.540	50,223	42,935	33,973
fotal, all stages	67,563	68,215	96,545	103,437	110,797	134,256	128,569	112,581
tanus	88	29	48	23	B	150	25	16
xic-shock syndrome	188	412	372	390	400	302	280	244
	19	8	8	9	8	128	8	43
berculosis	22.201	22.768	22,517	22,436	23,495	25,701	26.283	26,673
Tularemia	171	170	214	201	152	152	193	159
phoid fever	402	362	400	436	460	962	503	414
ricella (chickennox)	178 162	183 243	213 196	192.867	195.441	173.089	147.078	158 364

No cases of yellow fever were reported during 1985–1992.

Acquired immunodificiency syndrome (AUDS) 895–1992.

Beginning in 1984, data were recorded by date of report to state health departments. Before 1994, data were recorded by onset date.

Not nationally notifiable.

Note: Data in the MMWR Summary of Notifiable Diseases, United States might not match data in other CDC surveillance reports because of differences in the timing of reports, the source of the data, and the use of different case definitions.

TABLE 10. Reported cases of notifiable diseases* - United States, 1977-1984

Visesse	11817	1978	1079	1980	1981	1962	1963	1984
AIDS	3044	2007	4 1077		1 2 2	2 304	1 0000	446
otherax	1	1000	1014	177	No.	1	9000	
ngitis	4,789	6,573	A27.0	8,028	9.547	9,680	12,696	8,326
lotuism, total (includes wound and unspecified)	38	88	9%	æş	B	BE	98	Bi
hancroid	18,	200	200	38	88	1,392	36	998
Notera	m ag	D K	-8	(B) (F)	gg 46	10	-6	
Encephalitis, primary Postinfectious**	4141	1,361	1500	, ² , ² , ² , ² , ² , ² , ² , ² ,	1,482	1,464	1,761	1,257
onorrhea	1,002,219	1,013,436	1,004,058	1,004,029	950,854	960,633	300,435	878.566
ranuloma inguinale	R	25	R	192	8	4	8	8
ensen disease (reprosy)	31 163	29 500	30,407	29 000	26.80 26.80	2000	25.5	22 050
epatris B	16,831	15,016	15,452	510,61	21,152	22,177	24,318	26,115
epatitis C; non-A, non-B	0.00	8.778	10.634	11 001	10 075	0 5.64	2 5.40	3.871
poionellosis		181	88	E.	5.85	28	Be	36
mphogranuloma venereum	338	两	250	95	280	7.6	97	170
alaria	547	731	88	2062	1,386	1,056	813	1,000
Onsies	57,346	26.871	13.567	13,506	3,124	1,714	1467	2,567
eningococcar disease umbs	21,436	16.817	14226	8.576	99	5220	3,366	3021
furine typhus fever	P	9	8	10	5	8	8	8
irfussis (whooping cough)	2,177	2,063	1,623	06/1 08/1	200	1,886	240	2,276
Momyelitis, total	200	y co c	222	ഉതര	288	122	3 22	500
Iffacosis	35	045	(3)	124	181	-	a a	100
ibies, animal	3,130	3.254	5,119	6,421	7,118	6.212	5,878	5,567
Marinatic force accide	1770	4	4.6	12	77	15	~8	en c
ocky Mountain spotted fever	1,153	1,063	1,070	1.163	1.192	926	1126	838
ibella	20,396	18,269	11,78	3,904	2,077	235	26	E.
Impressions, excluding typhoid fever	27,850	29,410	33,138	33,715	39,900	40,936	4,250	40,861
Ingeliosis	10,002	110,81	20,130	19,041	13,000	18,129	19,719	11,311
Total, all stages	64,621	64.875	67,049	08,832	77.78	75,579	74,637	69,886
ixic shock syndrome	9.	8-		8-	2-	B-	5°	200
Ichinosis	S . 63	9	157	ומרני	300	115	400	8
Jaramia	16 18 18	M	196	757	23/3/3		310	300
phoid fever dicella (chickennox)	150,306	354 080	803	510	200 286	10 40 E	100	330

No case of yellow feer were reported during 1977–1984.
 Acquired minunojeficieror syndromento in the state of the state of

Note: Rates <0.01 after rounding are listed as 0.00. Data in the MMWH Summary of Notifiable Diseases, United States might not match data in other CDC surveillance reports because of differences in the timing of reports, the source of the date, and the use of different case definitions.

TABLE 11. Reported cases of notifiable diseases* — United States, 1969-1976

Amebiasis Antheria Authoria Bottliam, total (includes wound and unspecified) Bottliam, total (includes wound and unspecified) Bottliam, total (includes wound and unspecified) Charcologis Diphtheria Postinfectious Gonoritanias Gonoritanias Fresphalis, prinary Hansan disease fleproxy Hapattia A, infectious State (granuloma inquinale Hapattia A, infectious State (granuloma inquinale Hapattia B, serum	2335 3672 286 286 241 1,104 1,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	y Hasket	2,199	2235	2743	27.78	2306
wound and unspecified)	2,525,525,125,125,125,125,125,125,125,12	- 3 - 2 - 1 6 8 E	n E	462	2	200	1	200
vound and unspecified)	3672 28 22 1 1 1 2 1 1 2 2 1 2 2 1 2 2 1 2 2 1 2	\$ 5225 388 388 388 388	s Sed	4 824		2000		
recurd and unspecified)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	16 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	; 510 §		4 9 4	2 THE 2	the same	26.50
in a second	1,128 1,104	15.5 18.88 EE	ış	2	35	100	28	3 16
	15 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	14 18 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		13	300	38	35	38
	1 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1888	1320	1414	1.165	3	28	18
	15.10.1 15.10.2 15.10.	50 50 000 000 000 000 000 000 000 000 0		1	-	1	1	1
	E 452 28 58 58 58 58 58 58 58 58 58 58 58 58 58	370	216	152	877	212	307	128
	¥23858	370	1,524	1,059	1,613	1,164	4,064	1,661
	4,872 154 8,416 8,509	600 002	436	243	N	218	230	13
	28 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	200000	670,268	767,215	842,621	906,121	969,937	1,001,964
	5.476 5.909 -	124	8	5	8	0	8	K
	0.00	2	131	8	200	91.5	1	9
	-	20,73	28,600	54,0/4	00,/40	9000	12,000	14 972
		2.50		100	7	200	***************************************	7,486
	-		-	•	•	-	-	18
	88	0	88	4	B	100 S	8	R
mpnogrammereum Jaria	3.102	3.061	2375	82	100	480	38	471
25.	5,826	47,351	75,280	32,276	26,690	22,094	24,374	41,126
ningococcal disease 2.	2,961	2,506	2,262	1,323	1,378	1,346	1,478	1,606
	0,918	104,963	124,936	74,215	69,612	59,128	69,647	38,482
Aurine Typhus Tever	388	4 2 40	3000	3287	750	2 402	1738	1010
	200	2	2	10000	2	00	88	98
lomyelitis, total	82	RF	.20	'#K	1001	100	bb	22
Hacoeis	2 63	1	0	2	2	164	8	200
sies animal	3,490	3224	4310	4369	3.640	3.151	2627	3073
		m	2	2		1	2	2
	3,729	3,227	2,793	2,614	2560	2431	2,854	986
OCKY Mountain spotted tever	7695	58.55	45,008	26.607	27 804	11911	16.652	12.491
	31	77	88	4	H	9	8	8
almonellosis, excluding typhoid fever 18, higellosis	18,419	22,096	21,928	22,151	23,818	22,800	22,612	13,140
arietfever	90000	433,406		-			-	
19, primary and secondary 19, Total, all staces	19,130	21,982	23,783	24,429	24825 87489	88.77	26,561 20,361	71.761
	762	148	116	128	101	101	102	10
Chinosis	215	201.02	NG 217	B 28 C2	20000	30 122	2000	201.05
aremia	160	27.172	187	162	171	17	129	157
phoid fever	36	346	407	98	980	437	375	419

No casas of yellow fever were reported during 1969–1976.
 After reinfandle yordifiable.
 Casa data after 1974 are not comparable with earlier years because of changes in reporting criteria that became effective in 1976.

Note: Rases <0.01 after rounding are listed as 0.00. Data in the MMWR Summary of Notifiable Diseases, United States might not match data in other CDC surveillance reports because of differences in the timing of reports, the source of the data, and the use of different case definitions.

TABLE 12. Deaths from selected notifiable diseases — United States, 1989-1998

TABLE 12. Deaths from selected notifiable diseases	selected no	STITISTIC		Delino -	- Contract States, 1909-1930	00001-0					-
Cause of Death	•6-CO	1960	1980	1991	1982	1983	1984	1995	1006	1997	1988
AIDS!	*0.62-*0.44	22,080	25,198	29 955	32.566	37,267	42,114	43,115	31,130	16,516	13,426
AUS.	-	-	Control Control	-		1	1	1	1	1	1
Anmrax	770	1						0		6	1
Botulism, foodborne	1000	79	*	7		1.	1				
Brucellosis	0230	1	1	1	1	-	1	-	1		
Chancroid	0000	I	1		1	1	1	1	1	1	1
Choleca	100	1	2	2	2	1		1	2	1	-
Dichthacia	200	1	-	1		1	I	-	1	1	-
Ecophalisis California secondenimuiral	deal Och R		1	1	1	1	1	1	-	-	1
	060 3						1	-	-	2	-
Eastern equine	7700		- 5	- 0			*		1	-	-
St. Louis	0623	-	2	20	*		2			1	
Western equine	062.1	1	1	1	1	1	1 '	1 '	1	1	
Gonococcal infections	980	4	6	m	4	un	m	-	•	91	
Haemochilus influenzae invasive d	icease 0415	91	16	10	92	1	S	2	1	1	11
Manage disease flancock	000	4		1	2		m	2	1	2	1
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* International Classification of Disasses. Ninth Revision, 1975. Numbers in this column are ICD-9 categories.

* Acquired immunodeficiency syndrome. In 1987, the National Center for Health Statistics introduced categories *0.42-*0.44 for classifying and coding human immunodeficiency virus (HIV) infection. The asseries are not founder symbols, but indicate that these codes are not part of ICD-9.

* Affection. The asseries are not founder that the contract of the code in the code in

Source: National Center for Health Statistics System, 1989-1998. Deaths are classified according to the ICD-9, Data for 1999 and 2000 currently are not available.

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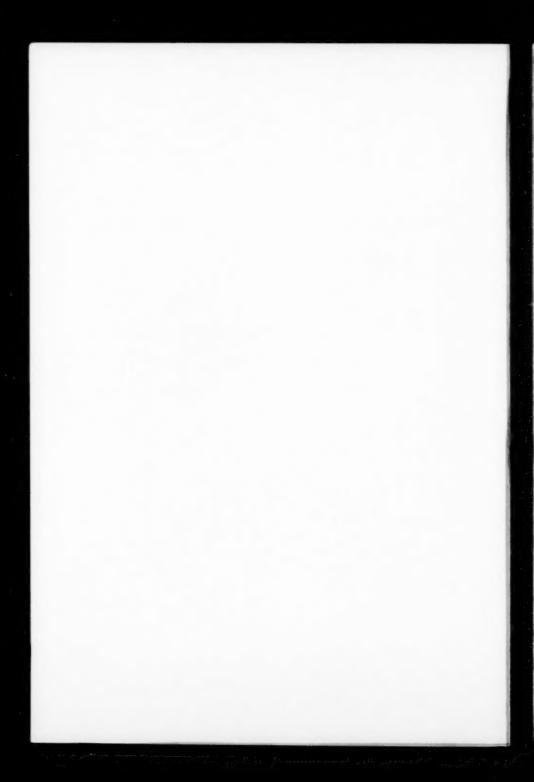
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State and Territorial Epidemiologists and Laboratory Directors are acknowledged for their contributions to *CDC Surveillance Summaries*. The epidemiologists and laboratory directors-listed below were in the positions shown as of December 2001.

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